

IVD-grade antibodies

RabMAb[®] rabbit monoclonal antibodies
for use in IHC pathology

Get the most accurate and reliable results

How do you make your antibodies?

To deliver *in vitro* diagnostics (IVD)-grade antibodies for use in immunohistochemistry (IHC), we use our proprietary RabMAb[®] technology to generate rabbit monoclonal antibodies.

The basic principle for making a RabMAb[®] primary antibody is the same as for mouse monoclonals. We fuse proprietary rabbit fusion partner cells to rabbit B-cells to create rabbit hybridoma cells. We then screen to select for clones with the most specific and sensitive antigen recognition properties and characterize using a variety of methods.

What makes rabbit antibodies better than mouse antibodies?

In short: antigen diversity, high affinity, and high specificity.

Rabbits have a unique immune system capable of diverse epitope recognition that optimizes affinity more efficiently than mice and can be used to produce antibodies against antigens that are not immunogenic in mice. Rabbit monoclonal antibodies have a 10–100 times higher affinity for a target antigen than mouse monoclonal antibodies.

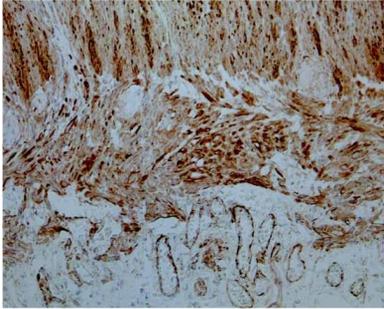
Rabbit antibodies are also better at distinguishing subtle differences, such as epitope variations like modifications, mutations, and conformational changes, due to their larger and more diverse B-cell repertoire.

RabMAb[®] antibodies combine the best properties of monoclonal antibodies with the most desirable attributes of rabbit polyclonal antibodies.

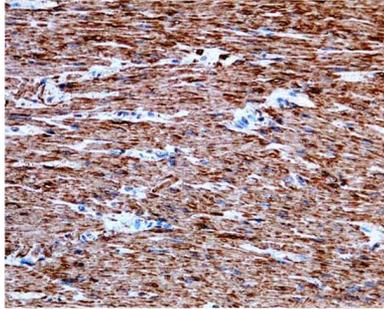
What about regulation compliance?

Our IVD-grade clones are sold in compliance with regulation for IHC antibodies and detection systems in the United States. These products are manufactured under FDA's Quality System Regulation (21 CFR, Part 820). Each product is either labeled "In Vitro Diagnostics (IVD)" or "Analyte Specific Reagents (ASR)" based on its intended application.

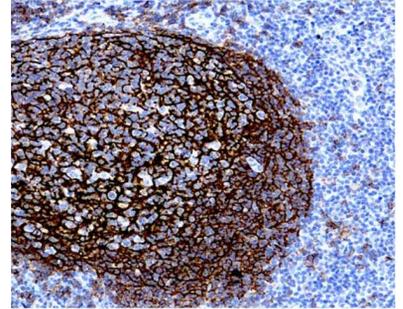
The top 30



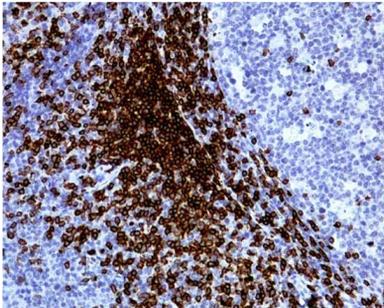
Caldesmon – EP19 (catalog #AC-0022). Smooth muscle stained with anti-human Caldesmon.



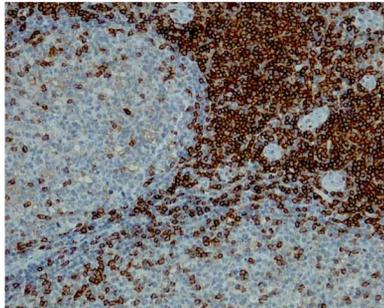
Calponin-1 – EP63 (catalog #AC-0060). Smooth muscle stained with anti-human Calponin-1.



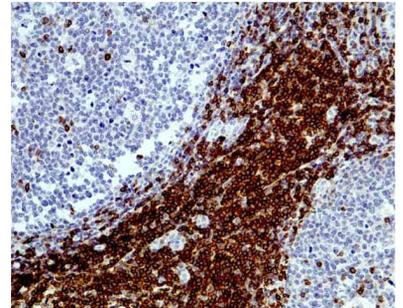
CD21 – EP64 (catalog #AC-0061). Tonsil stained with anti-human CD21.



CD3 – EP41 (catalog #AC-0004). Tonsil stained with anti-human CD3.



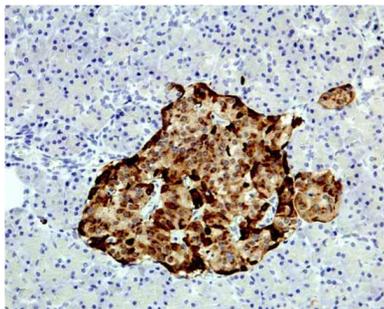
CD4 – EP204 (catalog #AC-0173). Tonsil stained with anti-human CD4.



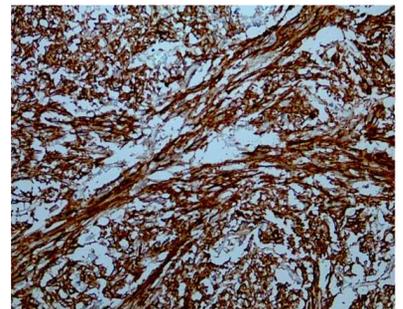
CD5 – EP77 (catalog #AC-0077). Tonsil stained with anti-human CD5.



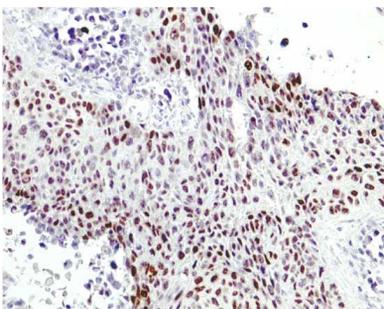
CDX-2 – EP25 (catalog #AC-0008). Colon stained with anti-human CDX2.



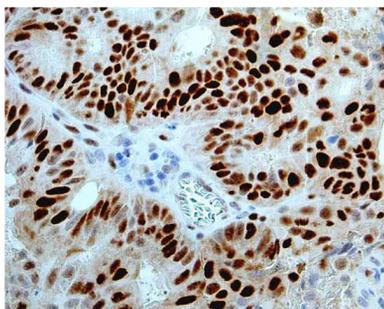
Chromogranin A – EP38 (catalog #AC-0037). Pancreas stained with anti-human Chromogranin A.



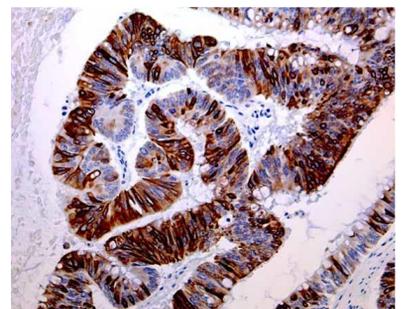
c-Kit (CD117) – EP10 (catalog #AC-0029). Gastrointestinal stromal tumor stained with anti-human c-Kit (CD117).



c-Myc – EP121 (catalog #AC-0116). Lung carcinoma stained with anti-human c-Myc.

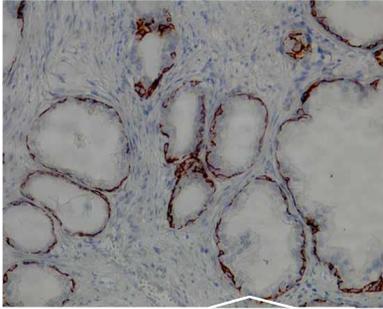


Cyclin D1 – EP12 (catalog #AC-0017). Colon carcinoma stained with anti-human Cyclin D1.

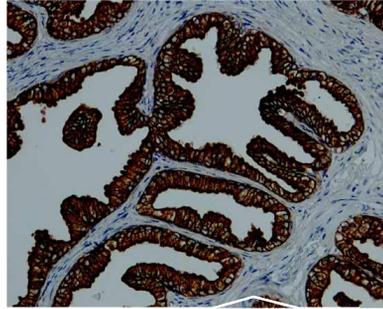


Cytokeratin 20 – EP235 (catalog #AC-0026). Colon carcinoma stained with anti-human CK20.

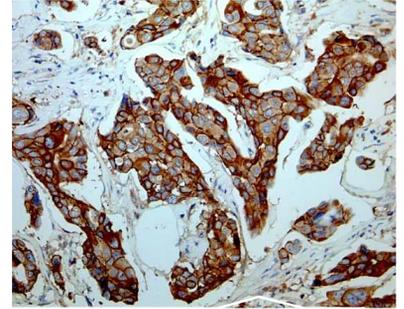
The top 30



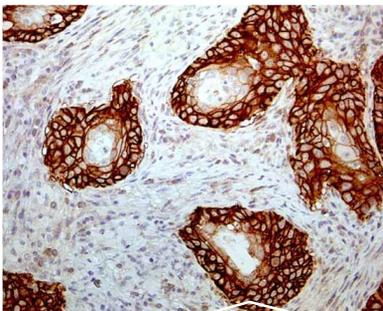
Cytokeratin 5 – EP24 (catalog #AC-0027). Prostate hyperplasia stained with anti-human Cytokeratin 5.



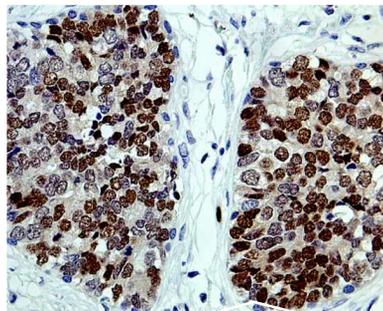
Cytokeratin 8 + 18 Cocktail – CK8:EP17; CK18: EP30 (catalog #AC-9002RUO). Colon carcinoma stained with anti-human Cytokeratin 8 + 18 Cocktail.



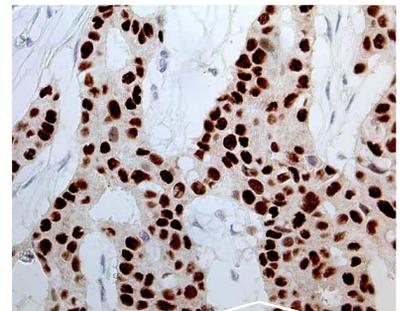
E-Cadherin – EP6 (catalog #AC-0003). Breast duct carcinoma stained with anti-human E-cadherin.



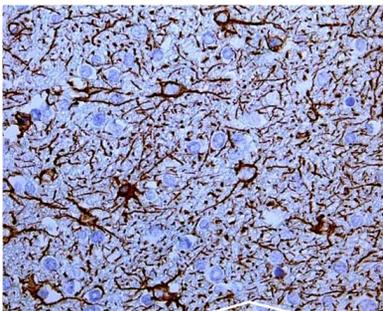
EGFR – EP22 (catalog #AC-0025). Squamous carcinoma stained with anti-human EGFR.



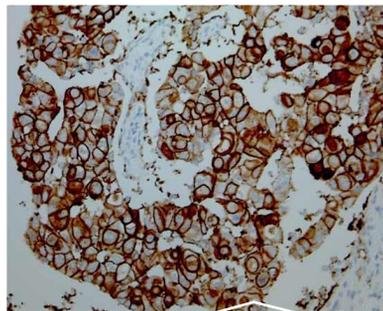
ERG – EP111 (catalog #AC-0105). Prostate carcinoma stained with anti-human ERG.



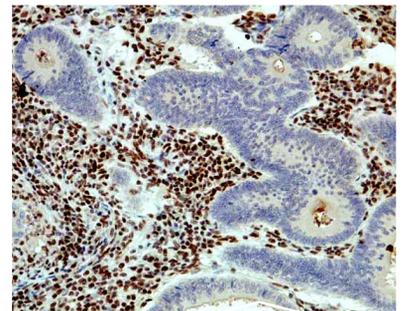
Estrogen Receptor Alpha (ER Alpha) – EP1 (catalog #AC-0015). Breast carcinoma stained with anti-human Estrogen Receptor Alpha (ER Alpha).



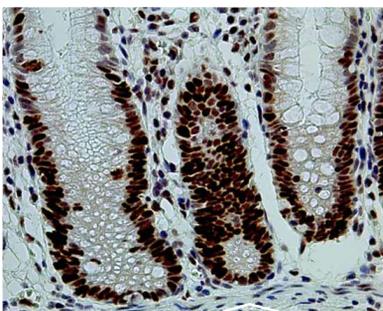
GFAP – EP13 (catalog #AC-0002). Brain stained with anti-human GFAP.



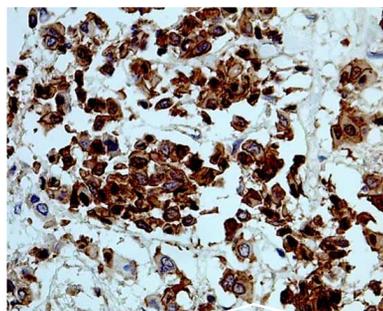
HER2/ErbB2 – EP3 (catalog #AC-0014). Breast carcinoma stained with anti-human HER2/ErbB2.



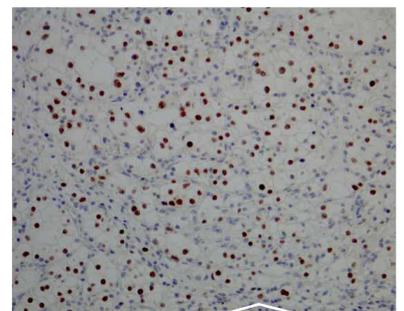
MSH2 – RED2 (catalog #AC-0211). Hereditary nonpolyposis colorectal carcinoma stained with anti-human MSH2.



MSH6 – EP49 (catalog #AC-0047). Colon stained with anti-human MSH6.

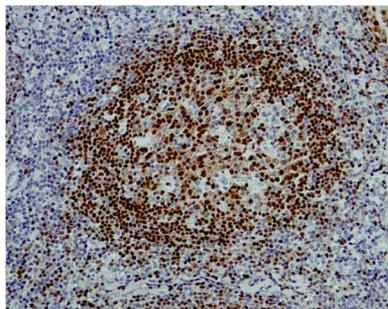


p120 Catenin – EP66 (catalog #AC-0063). Breast lobular carcinoma stained with anti-human p120 Catenin.

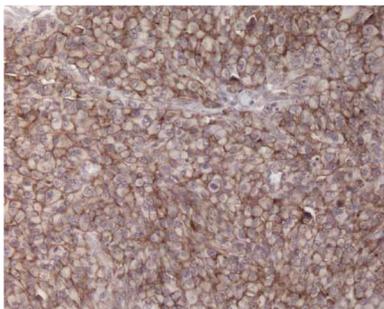


PAX2 – EP235 (catalog #AC-0236). Renal clear cell carcinoma stained with anti-human PAX2.

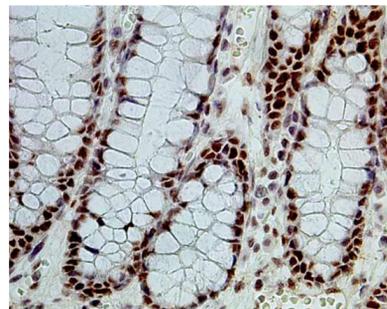
The top 30



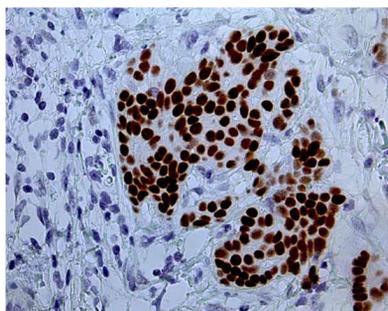
PAX5 – EP156 (catalog #AC-0158). Tonsil stained with anti-human PAX5.



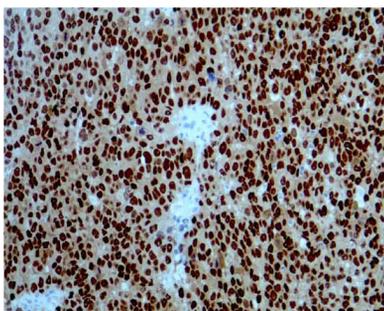
PD-L1 – 42975 (catalog #AC-0337). Melanoma stained with anti-human PD-L1.



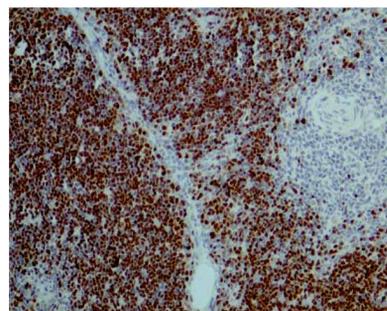
PMS2 – EP51 (catalog #AC-0049). Colon stained with anti-human PMS2.



Progesterone Receptor – EP2 (catalog #AC-0028). Breast carcinoma stained with anti-human Progesterone Receptor.



SOX10 – EP268 (catalog #AC-0237). Melanoma stained with anti-human SOX10.



Terminal deoxynucleotidyl transferase (TdT) – EP266 (catalog #AC-0226). Thymus stained with anti-human Terminal deoxynucleotidyl transferase (TdT).

We have over 300 IVD-grade antibodies to choose from

In addition to the top 30, we have more than 300 rabbit monoclonal antibodies that have been specifically developed for use in pathology laboratories for IHC staining. You can find the complete list on the following pages.

Get in touch

To find out more, please contact your local supplier.

China

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Songjie.Xu@abcam.com

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Fax: +1 916.746.8989
Hours: Monday-Friday
8:00am-5:00pm PST
international@cellmarque.com

IVD-grade primary antibodies

Target	EP Clone ID	Catalog #	Target	EP Clone ID	Catalog #
4E-BP1	EP352	AC-0325RUOC	CD163	EP324	AC-0316
5T4	EP347	AC-0299RUOC	CD19	EP169	AC-0139
5T4	EP348	AC-0300RUOC	CD1a	EP80	AC-0078
A-1-Antichymo-trypsin	EP384	AC-0347	CD2	EP222	AC-0228
ACSL4	EP386	AC-0345RUOC	CD20 C-term	EP7	AC-0012
ACTH	EP390	AC-0362	CD205	EP176	AC-0140RUOC
AFP	EP209	AC-0166	CD21	EP64	AC-0061
Aldh1A1	EP168	AC-0136RUOC	CD23	EP75	AC-0076
ALK	EP302	AC-0285	CD248	EP383	AC-0349
Alpha-Actin (Smooth Muscle)	EP188	AC-0167RUOC	CD25	EP218	AC-0209
Androgen Receptor	EP120	AC-0071	CD3	EP41	AC-0004
Annexin VII	EP367	AC-0322RUOC	CD3 delta	EP177	AC-0201
Anterior Gradient 2 (AGR2)	EP329	AC-0286RUOC	CD30	EP154	AC-0141
ARD1	EP357	AC-0343RUOC	CD31	EP78	AC-0083
ARG-1	EP261	AC-0227	CD34	EP88	AC-0082
ARID1A (BAF250a)	EP303	AC-0275	CD35	EP197	AC-0172
ATM	EP327	AC-0287RUOC	CD38	EP135	AC-0133
Aurora B	EP136	AC-0196	CD4	EP204	AC-0173
BAD	EP315	AC-0288RUOC	CD41/Integrin alpha 2b	EP178	AC-0174RUOC
Bcl-2	EP36	AC-0035	CD42b	EP409	AC-0336
Bcl-6	EP278	AC-0242	CD44	EP44	AC-0044
Bcl-x	EP94	AC-0098RUOC	CD45	EP68	AC-0065
Beclin-1	EP304	AC-0276RUOC	CD48	EP148	AC-0142RUOC
Beta-Catenin	EP35	AC-0034	CD5	EP77	AC-0077
BMI-1	EP199	AC-0168RUOC	CD5	RED1	AC-0261
BOB.1	EP114	AC-0114	CD53	EP179	AC-0176
C4d	EP272	AC-0260	CD61	EP65	AC-0062
CA 125	EP48	AC-0046	CD63	EP211	AC-0177RUOC
Cadherin-6	EP217	AC-0207RUOC	CD7	EP132	AC-0124
Calcitonin	EP92	AC-0092	CD71	EP232	AC-0245
Caldesmon	EP19	AC-0022	CD74	EP167	AC-0143
Calponin-1	EP63	AC-0060	CD79a	EP82	AC-0079
Carbonic Anhydrase 9	EP161	AC-0137	CD79b	EP214	AC-0204
Carbonic Anhydrase 9	EP161	AC-0137RUOC	CD8	EP334	AC-0301
Caspase-3	EP410	AC-0364RUOC	CD82	EP160	AC-0144RUOC
Cathepsin D	EP81	AC-0090RUOC	CD90	EP56	AC-0054
Caveolin-1	EP353	AC-0320	CD95	EP208	AC-0178RUOC
CD10	EP195	AC-0169	CD99	EP8	AC-0013
CD103	EP206	AC-0170RUOC	Cdk4	EP180	AC-0179RUOC
CD105	EP274	AC-0243	CDX-2	EP25	AC-0008
CD11b	EP45	AC-0043RUOC	CEA	EP216	AC-0203
CD11c	EP157	AC-0134RUOC	Chromogranin A	EP38	AC-0037
CD13	EP117	AC-0107RUOC	c-Kit/CD117	EP10	AC-0029
CD138	EP201	AC-0171	Claudin 8	EP305	AC-0289RUOC
CD14	EP128	AC-0123	Claudin-1	EP420	AC-0351
CD146	EP54	AC-0052	Claudin-4	EP417	AC-0352
CD15	EP273	AC-0244	Claudin-5	EP224	AC-0212
CD16	EP364	AC-0332	Claudin-7	EP399	AC-0365
CD163	EP152	AC-0138RUOC	Clusterin/Apolipoprotein J	EP181	AC-0180RUOC

IVD-grade primary antibodies

Target	EP Clone ID	Catalog #	Target	EP Clone ID	Catalog #
c-Myc	EP121	AC-01116	FOXP3	EP340	AC-0304RUOC
Cohesin subunit SA2 (STAG2)	EP373	AC-0339RUOC	FSH	EP257	AC-0233
COL1A1	EP236	AC-0223RUOC	Galectin-3	EP412	AC-0361
COUP-TFII	EP406	AC-0353RUOC	GATA3	EP368	AC-0324
COX-2	EP293	AC-0273	GCDFP-15	EP95	AC-0085
CPS1 (Hep Par-1)	EP265	AC-0229	Geminin	EP355	AC-0327
CRX (CORD2)	EP323	AC-0302	GFAP	EP13	AC-0002
CTAG1B (NY-ESO-1)	EP311	AC-0278	Glucagon	EP74	AC-0074
CXCR4 (Fusin, CD184)	EP394	AC-0366RUOC	Glut1	EP141	AC-0132
Cyclin D1	EP12	AC-0017	Glycophorin A	EP213	AC-0202
Cyclin E1	EP126	AC-0120RUOC	Granzyme B	EP230	AC-0213
Cytokeratin 10	EP97	AC-0086	GRB7	EP308	AC-0279RUOC
Cytokeratin 13	EP69	AC-0066	GRIA2	EP387	AC-0344
Cytokeratin 14	EP61	AC-0058	Growth Hormone	EP267	AC-0234
Cytokeratin 15	EP14	AC-0018	H. Pylori	EP279	AC-0247
Cytokeratin 16	EP297	AC-0290	HE4	EP370	AC-0326
Cytokeratin 17	EP98	AC-0081	Hemoglobin alpha	EP124	AC-0121
Cytokeratin 18	EP30	AC-0001	HER2 / ErbB2	EP3	AC-0014
Cytokeratin 19	EP72	AC-0073	HER2 / ErbB2 Phospho (pY877)	EP123	AC-0146RUOC
Cytokeratin 20	EP23	AC-0026	hGAL (GCET2)	EP316	AC-0292
Cytokeratin 4	EP4	AC-0011	HIF-1 alpha	EP118	AC-0108RUOC
Cytokeratin 5	EP24	AC-0027	Histone H3 Phospho (pT3)	EP233	AC-0250
Cytokeratin 5	EP42	AC-0181	HLA-Dra	EP96	AC-0088RUOC
Cytokeratin 6	EP67	AC-0064	HLA-DRB1	EP191	AC-0183RUOC
Cytokeratin 7	EP16	AC-0020	HMGA2	EP398	AC-0369
Cytokeratin 8	EP17	AC-0007	HNF4 alpha P1	EP366	AC-0334
DAX-1 (NR0B1)	EP358	AC-0330RUOC	hnRNP K	EP330	AC-0305
Desmin	EP15	AC-0019RUOC	HSP70	EP377	AC-0341
Desmoglein 3	EP306	AC-0291	Human Placental Lactogen (HPL)	EP241	AC-0215
DMRT1	EP264	AC-0230	Iba-1 (AIF1)	EP289	AC-0265
DNMT1	EP269	AC-0231RUOC	IgA (Heavy Chain)	EP170	AC-0147
DOG1	EP332	AC-0303	IgD	EP173	AC-0184
E2F4	EP252	AC-0225RUOC	IgG4	EP138	AC-0148
E-Cadherin	EP6	AC-0003	IMP-3	EP286	AC-0266
EGFR	EP22	AC-0025	Inhibin Alpha	EP378	AC-0315
EGFR L858R	EP344	AC-0317	INPP4B	EP328	AC-0306RUOC
EGFR Phospho (pY1068)	EP11	AC-0016RUOC	Insulin	EP125	AC-0119
eIF-4E	EP280	AC-0262RUOC	Islet 1	EP283	AC-0293
Ep-CAM	EP155	AC-0145	Kappa Light Chain	EP171	AC-0149
ER Alpha	EP1	AC-0015	Kappa Light Chain (Polyclonal)	N/A	AC-0069
ERCC1	EP219	AC-0206RUOC	Ki-67	EP5	AC-0009
ERG	EP111	AC-0105	KIM-1 (HAVcr-1)	EP309	AC-0280RUOC
Estrogen Receptor	EP220	AC-0232	Ksp-cadherin	EP296	AC-0277
Factor XIII A	EP292	AC-0263	L1CAM	EP411	AC-0354RUOC
Fascin	EP116	AC-0112	LAG-3 (CD223)	EP294	AC-0294
FOXA1	EP277	AC-0246RUOC	Lambda Light Chain	EP172	AC-0150
FOXM1	EP372	AC-0323RUOC	Lambda Light Chain (Polyclonal)	N/A	AC-0068
FOXO1	EP290	AC-0264RUOC	Langerin (CD207)	EP349	AC-0328
FOXP1	EP137	AC-0129RUOC	LAT1 (SLC7A5)	EP393	AC-0367RUOC

IVD-grade primary antibodies

Target	EP Clone ID	Catalog #	Target	EP Clone ID	Catalog #
LEF-1	EP310	AC-0281	OCT-4	EP143	AC-0128
LI-Cadherin	EP86	AC-0095RUOC	OLIG2	EP112	AC-0106RUOC
LIN28	EP150	AC-0151	p120 Catenin	EP66	AC-0063
LSP1	EP164	AC-0152RUOC	p21	EP147	AC-0156
Lysozyme	EP134	AC-0126RUOC	p27/Kip1	EP104	AC-0109
MAGEA3	EP408	AC-0355RUOC	p53	EP9	AC-0010
MAGEC2 (CT10)	EP405	AC-0356	p57/Kip2	EP183	AC-0205
Mammaglobin	EP249	AC-0219	p62 (Sequestosome-1)	EP396	AC-0368
MART-1	EP43	AC-0041	p84 (THOC1)	EP320	AC-0309RUOC
MCM2	EP40	AC-0039RUOC	Parvalbumin	EP300	AC-0282
MCM3	EP202	AC-0187RUOC	PAX2	EP235	AC-0236
MCM5	EP84	AC-0094RUOC	PAX5	EP156	AC-0158
MCM6	EP375	AC-0340RUOC	PAX6	EP341	AC-0310
MDR-1	EP271	AC-0251	PAX8	EP298	AC-0296
Mesothelin	EP140	AC-0130	PAX8	EP331	AC-0338
MFAP5	EP382	AC-0348RUOC	Paxillin	EP89	AC-0096RUOC
MGMT	EP337	AC-0307RUOC	PBRM1 (BAF180)	EP342	AC-0333RUOC
MMP7	EP388	AC-0346RUOC	PCNA	EP91	AC-0087
MMP9	EP127	AC-0122RUOC	PD-1 (PDCD1)	EP239	AC-0255RUOC
MRE11	EP318	AC-0295RUOC	PDCD4	EP102	AC-0100RUOC
MRP8 / S100A8	EP90	AC-0097RUOC	PD-L1	28-8	AC-0337
MSH2	RED2	AC-0211	PD-L1	EP415	AC-0357
MSH6	EP49	AC-0047	PDX1	EP139	AC-0131RUOC
MSMB (PSP94)	EP203	AC-0198RUOC	PHOX2B	EP312	AC-0283
MUC1	EP85	AC-0091	PLAP	EP194	AC-0192
MUC2	EP187	AC-0188RUOC	PMEL17	EP240	AC-0216
MUC4	EP256	AC-0235	PMS2	EP51	AC-0049
MUC5AC	EP362	AC-0329	PODXL	EP248	AC-0221RUOC
MUM1	EP190	AC-0186	Progesterone Receptor	EP2	AC-0028
Myelin	EP207	AC-0189	Prolactin	EP193	AC-0159
Myeloperoxidase	EP151	AC-0153	Prostate-Specific Antigen (PSA)	EP109	AC-0070
MyoD1	EP212	AC-0190	Prostatic Acid Phosphatase	EP53	AC-0051
Myogenin	EP162	AC-0154	Prostein (P501S, SLC45A3)	EP381	AC-0335
Myoglobin	EP87	AC-0084	PSMA	EP192	AC-0160
Myosin Heavy Chain 11	EP166	AC-0155RUOC	RAD51	EP189	AC-0193RUOC
Myosin Light Chain 2	EP99	AC-0099RUOC	ROS1	EP282	AC-0271
Nanog	EP225	AC-0319	RRM1	EP242	AC-0217RUOC
Napsin A	EP205	AC-0191	RUNX2	EP351	AC-0321
NDRG1	EP200	AC-0199RUOC	S100 beta	EP32	AC-0031
Nestin	EP287	AC-0252	S100A1	EP184	AC-0194RUOC
Neurofilament	EP79	AC-0075	S100A4	EP360	AC-0331RUOC
Neutrophil Elastase	EP223	AC-0253	S100A6	EP313	AC-0297RUOC
NGFR	EP31	AC-0030	S100A9	EP185	AC-0195RUOC
NKX2.2	EP336	AC-0308	S100P	EP186	AC-0161RUOC
NKX3.1	EP356	AC-0314	S100P	EP234	AC-0208
NM23	EP276	AC-0254RUOC	SALL4	EP299	AC-0298
NSE	EP319	AC-0350	SATB2	EP281	AC-0268
OCT-2	EP115	AC-0111RUOC	SCGN	EP237	AC-0224
OCT-2	EP284	AC-0274	SDHB	EP288	AC-0256RUOC

IVD-grade primary antibodies

Target	EP Clone ID	Catalog #	Target	EP Clone ID	Catalog #
Serum Amyloid A	EP335	AC-0311	Thrombomodulin	EP175	AC-0175RUOC
Somatostatin	EP130	AC-0127RUOC	Thyroglobulin	EP250	AC-0220
Somatostatin receptor type 2	EP149	AC-0162RUOC	TIA1	EP243	AC-0218
SOX10	EP268	AC-0237	TIMP-1	EP389	AC-0359RUOC
SOX2	EP103	AC-0101RUOC	Topoisomerase II alpha	EP93	AC-0089
SOX9	EP317	AC-0284RUOC	TPO	EP159	AC-0164RUOC
Spectrin	EP251	AC-0238	TRAcP	EP338	AC-0312
SPINK1 (TATI, PSTI)	EP401	AC-0363	Transcription Factor PU.1	EP18	AC-0021
Splicing Factor 3B subunit 3 (SF3B3)	EP404	AC-0358RUOC	Troponin I, Cardiac Muscle (Troponin 1)	EP73	AC-0093RUOC
STAR	EP226	AC-0239	Troponin T, Cardiac Muscle (TNNT2)	EP108	AC-0104RUOC
STAT6	EP325	AC-0318	TRPS1	EP392	AC-0360RUOC
Stathmin	EP247	AC-0257	Tryptase	EP259	AC-0214
Survivin	EP119	AC-0113RUOC	TSH	EP254	AC-0222
Synaptophysin	EP158	AC-0163	TTF-1	EP229	AC-0258
TBX21 (T-bet)	EP263	AC-0240	Tyrosinase	EP270	AC-0259
TCL1	EP105	AC-0110	Uroplakin III	EP321	AC-0313
TdT	EP266	AC-0226	Villin-1	EP163	AC-0165
TFE3	EP285	AC-0269RUOC	Vimentin	EP21	AC-0024
TFF1	EP47	AC-0045RUOC	Wilms' Tumor	EP122	AC-0115
TFF3	EP107	AC-0103RUOC	ZAP-70	EP52	AC-0050

We're here to help

If you need any further information about the clones we have available, please don't hesitate to get in touch with your relevant supplier. We're happy to discuss whatever it is you might need.

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