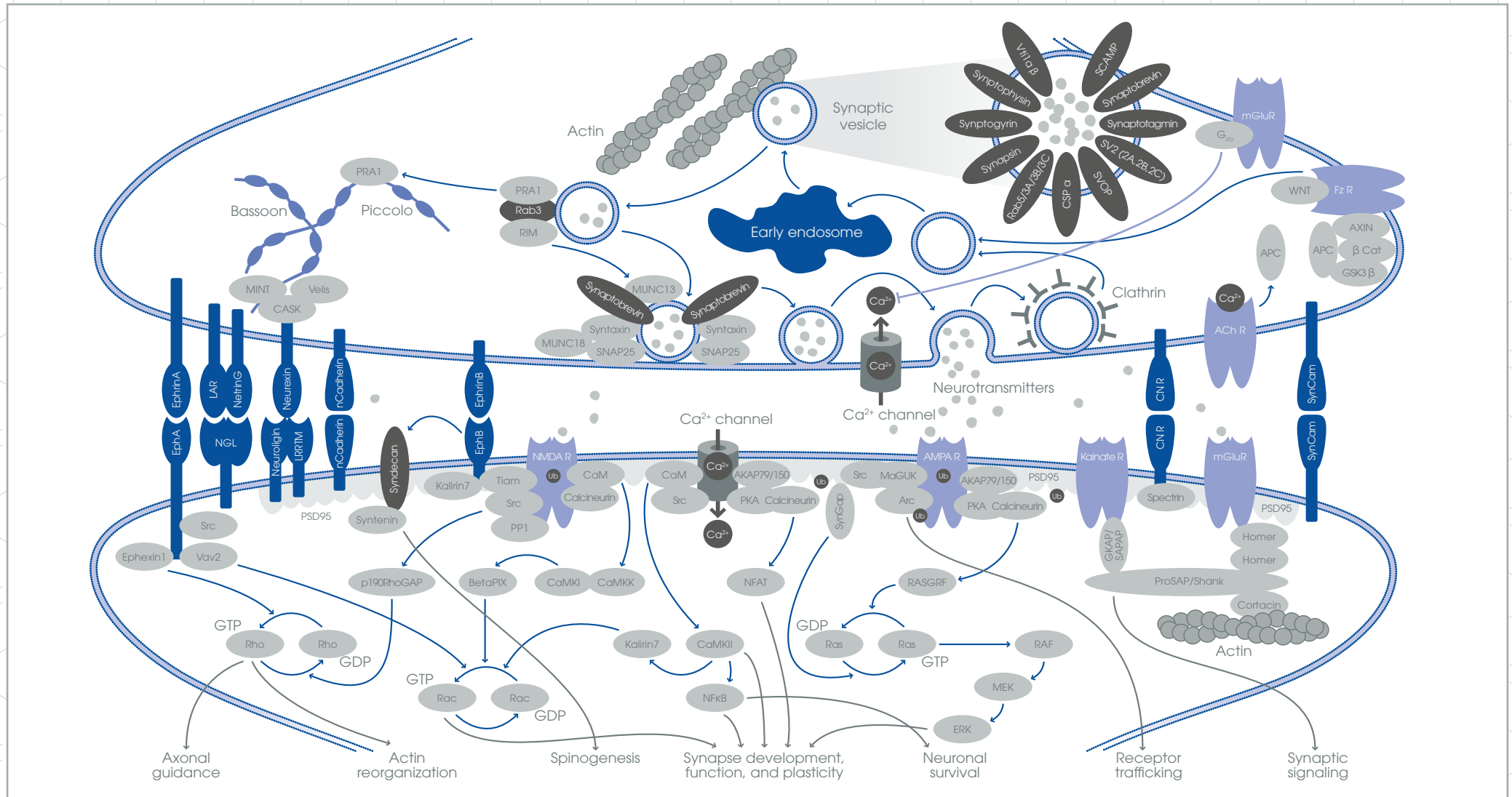


Excitatory synapse pathway



NMDA Receptor

- Agonist: NMDA (ab120052)
- Antagonist: D-AP5 (ab120003)
- Primary antibody: Anti-NMDAR2B antibody (ab65783)

AMPA Receptor

- Agonist: (S)-AMPA (ab120005)
- Antagonist: NBQX (ab120045)
- Primary antibody: Anti-Glutamate Receptor 1 (AMPA subtype) antibody (EPR5479) (ab109450)

Kainate Receptor

- Agonist: Kainic acid (ab120100)
- Antagonist: CNQX disodium salt (ab120044)
- Primary antibody: Anti-GRIK2 antibody (EPR6307) (ab124702)

Group I mGlu receptor

- Agonist: (R,S)-3,5-DHPG (ab120020)
- Antagonist: MPEP hydrochloride (ab120008)
- Primary antibody: Anti-Metabotropic Glutamate Receptor 5 antibody (EPR2425Y) (ab76316)

Group II mGlu receptor




















- Agonist: LY 379268 (ab120196)
- Antagonist: (S)-MCPG (ab120059)
- Primary antibody: Anti-Metabotropic Glutamate Receptor 2 antibody (EPR8975) (ab150387)

Group III mGlu receptor



- Agonist: L-AP4 (ab120002)
- Antagonist: MMPIP (120245)
- Primary antibody: Anti-Metabotropic Glutamate Receptor 4 antibody (ab53088)



Agonists, Antagonists, Activators and Inhibitors

NMDA receptor agonists and antagonists				
Name	Description	Purity	Citations	Product code
NMDA  	Excitotoxic amino acid	> 99%	10	ab120052
D-AP5  	NMDA glutamate site antagonist	> 99%	125	ab120003
AMPA receptor agonists and antagonists				
(S)-AMPA  	AMPA agonist	> 98%	11	ab120005
NBQX 	AMPA / kainate antagonist	> 99%	88	ab120045
Kainate receptor agonists and antagonists				
Kainic acid  	Prototypic kainate receptor agonist	> 99%	31	ab120100
CNQX disodium salt  	AMPA / kainate antagonist	> 99%	12	ab120044
Group I mGlu receptor agonists and antagonists				
(R,S)-3,5-DHPG  	Group I mGlu receptor agonist	> 98%	3	ab120020
MPEP hydrochloride 	Potent, selective mGlu5 antagonist	> 99%	21	ab120008
Group II mGlu receptor agonists and antagonists				
LY 379268 	Systemically active group II mGlu agonist	> 99%	5	ab120196
(S)-MCPG  	Group I / II mGlu antagonist	> 98%	9	ab120059
Group III mGlu receptor agonists and antagonists				
L-AP4  	Selective group III mGlu agonist	> 99%	16	ab120002
MMPIP	mGlu7 allosteric antagonist	> 98%	2	ab120245

Primary Antibodies

NMDA receptor primary antibodies				
Name	Description	Tested applications	Species reactivity	Product code
Anti-NMDAR2B antibody 	Rabbit polyclonal to NMDAR2B	WB, IP, IHC, ICC/IF	Human, Mouse, Rat, Chicken, Xenopus	ab65783
AMPA receptor primary antibodies				
Anti-Glutamate Receptor 1 (AMPA subtype) antibody (EPR5479)	Rabbit monoclonal to Glutamate Receptor 1 (AMPA subtype) (EPR5479)	WB, IP, IHC	Human, Mouse, Rat	ab109450
Kainate receptor primary antibodies				
Anti-GRIK2 antibody (EPR6307)	Rabbit monoclonal to GRIK2 (EPR6307)	WB, IHC	Human, Mouse, Rat	ab124702
Group I mGlu receptor primary antibodies				
Anti-Metabotropic Glutamate Receptor 5 antibody (EPR2425Y) 	Rabbit monoclonal to Metabotropic Glutamate Receptor 5 (EPR2425Y)	WB, IHC, ICC/IF, Flow Cyt	Human, Mouse, Rat	ab76316
Group II mGlu receptor primary antibodies				
Anti-Metabotropic Glutamate Receptor 2 antibody (EPR8975)	Rabbit monoclonal to Metabotropic Glutamate Receptor 2 (EPR8975)	WB, IHC, ICC/IF	Human, Mouse, Rat	ab150387
Group III mGlu receptor primary antibodies				
Anti-Metabotropic Glutamate Receptor 4 antibody	Rabbit polyclonal to Metabotropic Glutamate Receptor 4	ELISA, WB, IHC, ICC/IF	Human, Mouse, Rat, Chicken, Cat	ab53088

Symbol key  Just-Add-Water: water soluble to at least 5mM or above  Product also available as 1 ml water soluble pack  Variation of this product available as 1 ml water soluble pack  Blocking peptide available

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