RNA modifications

RNA modifications are out there but so little is known about their function. This poster highlights the different types of RNA modifications, where they can be found, and some of the key roles they play in epigenetics.

To find out more, check out our RNA modifications web page where you can find more guides, protocols, and interviews to help you in your quest for RNA modification discovery.

www.abcam.com/RNAmods
RNA modifications

- 2'O-me – second and third nucleotide
- ac4C
- m5C
- Ψ

To help you in your quest for RNA modification discovery.

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Explore the unexplored

- m6A
- Ψ
- ψ
- D
- acp3U

modifications at the

Number of identical

OhyWmcm5Um

Ψ

D,

io6AyWgalQncm5Ummcm5U

ψ

ψ

f5Cms2io6AmanQg6Ancm5Umchm5U

ψ

ψ

f5CMAr(p)Gr(p)m1Amtm5Utm5s2Uchm5U

Methylation at 2'OH

ho5Ucmnm5U

m1l

ac4C

m1A \text{ m5C \ m2G \ acp3U } Umm1G

Ribosome

ψ

ms2m6A

imG

lGm

ac4CCm

OHO

CH3

C+

inm5s2Ums2i6A

imG2

preQ1nm5s2U

mimG

m5Cm

m5C

N

preQ0cmnm5Um

NN

HO

ac4Cm

NH

imG-14

m6t6Amcmo5U

2Gm m2,7Gm

mo5Ucmo5U

m7G

m1A

2'O-me

N2, N2, 2'-O-tri-methylguanosine

Conservation Naming

structure, codon recognition, tRNA

efficiency

5'UTR

Known: 5' terminal cap, RNA

Location: mRNA, tRNA, rRNA

Full name: N6-methyladenosine

Full name: N4-acetylcytidine

Full name: 5-hydroxymethylcytidine

Full name: N2,