A20305

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2'-O-methyluridine(Um) Rabbit pAb

Catalog No.: A20305

Basic Information

Observed MW
Refer to figures

Calculated MW

Category
Small Molecule-specific Antibody

Applications
ELISA,DB

Cross-Reactivity
Species independent

Background

RNA methylation plays a significant regulatory role in various of physiological activities and it has gradually become a hotspot of epigenetics in the past decade. 2'-O-methyladenosine (Am), 2'-O-methylguanosine (Gm),2'-O-methylcytidine (Cm),2'-O-methyluridine (Um),N 6-methyladenosine (m6A), N 1-methylguanosine (m1G),5-methylcytidine (m5C),and 5-methyluridine (m5U) are representative 2'-O-methylation and base-methylation modified epigenetic marks of RNA. 2'-O-methyltransferase is a modified nucleoside that is produced in tRNAs by the action of tRNA guanosine-2'-O-methyltransferase, using S-adenosyl-L-methionine as a substrate. Through its interaction with other modified nucleosides, 2'-O-methylguanosine is thought to stabilize the structure of the tRNA.

Recommended Dilutions

DB	1:500 - 1:2000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID **Swiss Prot**

Immunogen
Chemical compounds corresponding to 2'-O-methyluridine(Um).

Synonyms
Um; 2'-O-methyluridine; 2'-O-methyluridine(Um)

Contact

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Product Information

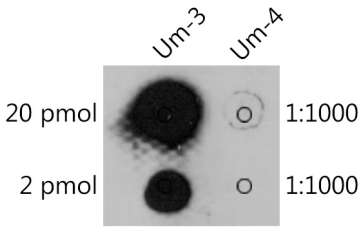
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



The 2'-O-methyluridine(Um) Rabbit pAb(A20305) are tested in Dot Blot against 2'-O-methyluridine(Um) and unmodified uridine.Um-3：5'Biotin-UGACAACUACAGAC(Um)3'
Um-4：5'Biotin-UGACAACUACAGACU3‘