

2'-O-methyluridine(Um) Rabbit pAb

Catalog No.: A20305

Basic Information

Observed MW

Refer to figures

Calculated MW

Category

Primary 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

Immunogen Information

Gene ID

Swiss Prot

Immunogen

Um

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

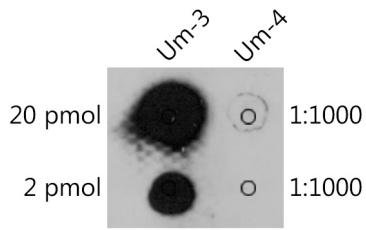
Affinity purification

Storage

Store at -20°C. 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'