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2'-O-Methylguanosine(Gm) Rabbit mAb

Catalog No.: A20696 Recombinant

Basic Information

Observed MW
Refer to figures

Calculated MW

Category
Primary antibody

Applications
DB,ELISA

Cross-Reactivity
Species independent

CloneNo number
ARC50772

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
CAS: 2140-71-8

Swiss Prot

Immunogen
Chemical compounds corresponding to 2'-O-Methylguanosine(Gm).

Synonyms
2'-O-Methylguanosine; Gm; 2'-O-Methylguanosine(Gm)

Contact

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Product Information

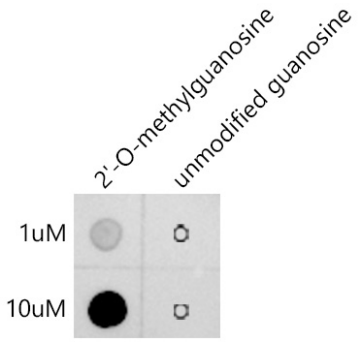
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



The 2'-O-methylguanosine(Gm) Rabbit mAb (A20696) are tested in Dot Blot against 2'-O-methylguanosine and unmodified guanosine.2'-O-methylguanosine：Biotin-5'GCATAATGACTACT(Gm)3'unmodified guanosine：Biotin-5'GCATAATGACTACTG3'