

A20696

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## 2'-O-Methylguanosine(Gm) Rabbit mAb

Catalog No.: A20696

Recombinant

### Basic Information

#### Observed MW

Refer to figures

#### Calculated MW

#### Category

Small Molecule-specific Antibody

#### Applications

ELISA,DB

#### 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

 [www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

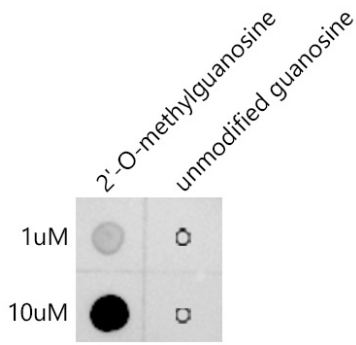
Affinity purification

#### Storage

Store at -20°C. 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'