

N6-methyladenosine / m6A Mouse mAb

Basic Information

Catalot No. : Gab202201

Category : Primary antibody

Applications : DB

Cross-Reactivity : Human, Mouse, Rat, Other (Wide Range)

Recommended Dilutions

DB

1:500 - 1:2000

Immunogen Information

Immunogen : Chemical compounds corresponding to N6-methyladenosine / m6A.

Synonyms : N6-methyladenosine;m6A

Background

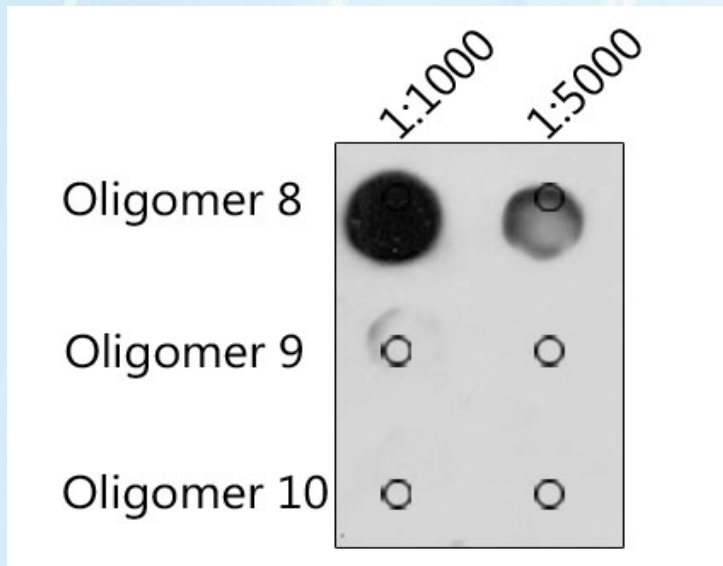
Discovered in the 1970s, m6A is the most prevalent internal modification in polyadenylated mRNAs and long non-coding RNAs (lncRNAs) in higher eukaryotes. m6A is widely conserved among eukaryotic species that range from yeast, plants, flies to mammals, as well as among viral RNAs with a nuclear phase. The m6A-based modification is associated with a well-defined RNA motif, RRACH (R: A/G, H: A/C/U). As a representative of the epitranscriptome, m6A mRNA modifications participate in many vital activities in the cell, including stem cell self-renewal and differentiation, mRNA transcription, alternative splicing, nuclear export, translation, degradation, and microRNA processing. These processes determine the expression or inactivation of specific genes, which is vital for growth and development.(PMID: 30416848; PMID: 24662220; PMID: 30429466)

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Validation Data



The m6A mouse monoclonal antibody (Gab202201) are tested in Dot Blot against N6-methyladenosine (m6A) and unmodified adenosine (100ng for each oligomer). Oligomer 8 - N6-methyladenosine (ATAACTGG-m6A-CCGAATGG) Oligomer 9 - unmodified adenosine (ATAACTGGACCGAATGG) Oligomer 10 - unmodified adenosine (AAAAAAAAAAAAAAAA-biotin)

Product Information

Source	Isotype	Purification
Mouse	IgG	Affinity purification

Storage

Store at -20 . Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

* For research use only. Not for therapeutic or diagnostic purposes.

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