

N6-Methyladenosine (m6A) antibody (pAb)

Catalog No.: RA9029

Basic Information

Molecular weight

Not Applicable

Category

Polyclonal antibody

Applications

DB

Cross-Reactivity

Not Species Specific

Background

N6-Methyladenosine (m6A) is an RNA modification on the N-6 position of adenosine. This modification has been found to be abundant in the 3' UTR and stop codons of mammalian mRNA. m6A is associated with miRNA binding sites suggesting a potential role in epigenetic gene regulation. FTO and ALKBH are demethylases for 6-methyladenosine while a multiprotein complex that includes METTL3 functions as the methyltransferase. Recent findings revealed that m6A is also present on metazoan DNA, suggesting a genuine epigenetic role for this modification in the context of DNA as well.

Recommended Dilutions

DB 1 - 2 μ g/ml

Product Information

Source	Rabbit
Isotype	IgG
Purification	Protein A Chromatography
Storage buffer	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Storage Conditions	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.

Note: For in vitro research use only, not for diagnostic or therapeutic use, This product is not a medical device.

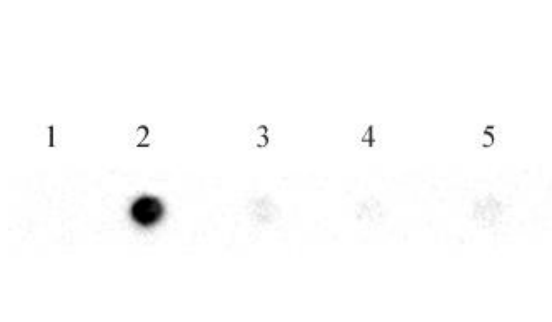
注意:在体外研究使用, 不用于诊断或治疗用途, 本产品不是医疗装置!

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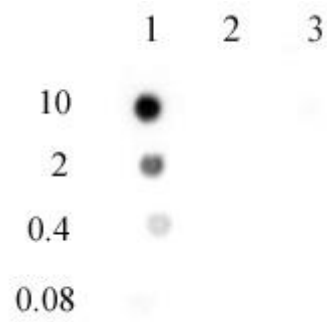
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N6-Methyladenosine (m6A) antibody (pAb) tested by RNA dot blot analysis. 3.3ng of a 22 nt RNA containing four repeats of the GAC consensus for N6-methyladenosine within its sequence was spotted onto a membrane and probed with N6-Methyladenosine antibody (1 ug/ml). The sequence contained various adenosine modifications at all four positions as indicated. Lane 1: Adenosine. Lane 2: N6-methyladenosine. Lane 3: 1-methyladenosine. Lane 4: 2'-O-methyladenosine. Lane 5: inosine



N6-Methyladenosine (m6A) antibody (pAb) tested by DNA dot blot analysis. Single-stranded DNA oligonucleotides (amount of oligo in pmoles listed on the left side of the blot) were spotted on to a positively charged nylon membrane and blotted with N-6-methyladenosine antibody (1 ug/ml dilution). Lane 1: DNA containing a single 6-methyladenosine. Lane 2: DNA containing unmethylated adenosine. Lane 3: DNA containing a single 1-methyladenosine.

