

Anti-N6-methyladenosine (m6A) antibody [mAbcam 190886] - BSA and Azide free ab190886

 **RabMAb**

★★★★★ **2 Abreviews** **13 References** **2 图像**

概述

产品名称	Anti-N6-methyladenosine (m6A)抗体[mAbcam 190886] - BSA and Azide free
描述	兔单克隆抗体[mAbcam 190886] to N6-methyladenosine (m6A) - BSA and Azide free
宿主	Rabbit
经测试应用	适用于: Nucleotide Array
种属反应性	与反应: Species independent
免疫原	Chemical/ Small Molecule corresponding to N6-methyladenosine (m6A) conjugated to keyhole limpet haemocyanin.
阳性对照	ab190886 was tested on a oligonucleotide array against RNA oligomers; N6-methyladenosine (m6A) and unmodified adenosine. 2Ome-RNA oligomers carry a methyl group at the 2'-OH residue of the ribose molecule, making them resistant to most ribonucleases.
常规说明	<p>N6-methyladenosine (m6A) is a post-transcriptional modification of RNA. m6A modification has been identified in all classes of RNA (rRNA, tRNA and mRNA) and is catalysed by an evolutionary conserved multi-subunit enzyme, methyltransferase like 3 (METTL3). Cellular and viral RNA has been known to be methylated for decades. Recent studies have found that mRNA is predominately m6A modified at stop codons and long internal exons, which are conserved between mouse and human. Emerging evidence suggests m6A plays an important role in regulating gene expression, alternative splicing patterns, downstream signalling (p53) as well as apoptosis.</p> <p>The regulation of m6A modifications in mRNA has been linked to disease, where fat mass and obesity-associated (FTO) has been has been reported to be a obesity risk gene. FTO is a m6A demethylase and polymorphisms that result in increased FTO expression are associated with increased body mass and risk of obesity.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

性能	
形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Constituent: PBS PBS prepared using DEPC-treated water. The use of RNase inhibitor is recommended.
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	mAbcam 190886
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab190886于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

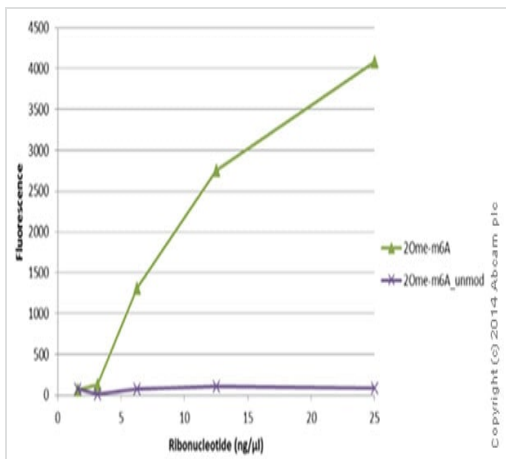
应用	Ab评论	说明
Nucleotide Array		Use a concentration of 2 µg/ml.

靶标

相关性

N6-Methyladenosine (m6A) is an abundant modification found in mRNA, tRNA, snRNA, as well as long non-coding RNA, in all species. RNA adenosine methylation is catalyzed by a multicomponent complex composed of METTL3/MT-A70, METTL14, and WTAP in mammals. METTL3 & METTL14 are responsible for the methyltransferase activity of the complex, and WTAP mediates substrate recruitment.

图片



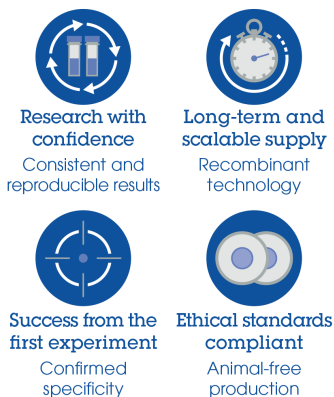
All batches of ab190886 are tested in Nucleotide Array against N6-methyladenosine and unmodified adenosine. Six dilutions of each oligomer are printed on to the Array in triplicate and results are averaged before being plotted on to a graph. Results show strong binding to N6-methyladenosine, indicating that this antibody specifically recognises adenosine methylated at position N6.

2Ome-m6A - N6-methyladenosine

2Ome-m6A_unmod - unmodified adenosine

Nucleotide Array - Anti-N6-methyladenosine (m6A) antibody [mAbcam 190886] - BSA and Azide free (ab190886)

Why choose a recombinant antibody?



Anti-N6-methyladenosine (m6A) antibody [mAbcam 190886] - BSA and Azide free (ab190886)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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