

N6-Methyladenosine Antibody

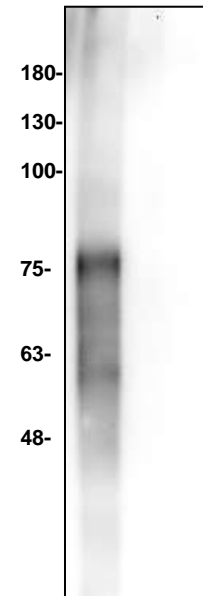
CATALOG NO:	6653-30T 30 µg (Trial size) 6653-100 100 µg
ALTERNATE NAMES:	m6A
HOST/ISOTYPE:	Rabbit IgG
IMMUNOGEN:	This antibody is generated from rabbits immunized with a BSA conjugated N6-Methyladenosine (BV-N13-14).
PURIFICATION:	This antibody is purified through a protein A column, followed by immunogen affinity purification.
MOLECULAR WEIGHT:	Dependant on the source of the sample.
FORM:	Liquid
FORMULATION:	1 mg/ml in PBS (prepared using DEPC-treated water) with 0.09% (W/V) sodium azide.
SPECIES REACTIVITY:	N6-Methyladenosine in wide species of mammals.
STORAGE CONDITIONS:	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

DESCRIPTION: N6-methyladenosine (m6A), or methylation of the N6 position of adenosine is a posttranscriptional modification of RNA. Due to a lack of analytical methods, N6-methyladenosine is poorly understood, but new evidence suggests that it is a very common base modification and important physiological regulator. N6-methyladenosine is markedly increased throughout brain development, and is enriched near stop codons, microRNA-binding sites and UTRs, which indicates a fundamental role in the regulation of gene expression. N6-methyladenosine is also highly conserved between human and mouse. The regulation of m6A modifications in mRNA has been linked to disease, where fat mass and obesity-associated (FTO) 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.

APPLICATION: Western blot: 1-4 µg/ml. Dot Blot, Chromatin Immunoprecipitation (ChIP), RNA Binding Protein Immunoprecipitation (RIP).

SPECIFICITY: The antibody is very specific for N6-Methyladenosine. It does not cross-react with adenosine as demonstrated by the Western blot.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot analysis by Anti-N6-MA
Lane 1: N6-Methyladenosine conjugated with BSA - 2 ng
Lane 2: Adenosine conjugated with BSA - 2 ng.

RELATED PRODUCTS:

- Adenosine Antibody (Cat. No. 6652-100)
- Guanosine Antibody (Cat. No. 6654-100)
- 7-Methylguanosine antibody (Cat. No. 6655-100)
- cAMP Antibody (Cat. No. 3567-100)
- 8-Br-cAMP (Cat. No. 1837-5, -25)
- cAMP Direct Immunoassay Kit (Colorimetric) (Cat. No. K371-100)
- ATP Colorimetric/Fluorometric Assay Kit (Cat. No. K354-100)
- ADP Colorimetric/Fluorometric Assay Kit (Cat. No. K355-100)
- ApoSENSOR™ ADP/ATP Ratio Bioluminescence Assay Kit (Cat. No. K255-100)
- ApoSENSOR™ ATP Cell Viability Bioluminescence Assay Kit (Cat. No. K254-200)
- ATP Solution (100 mM) (Cat. No. 2121-100)
- 8-Br-cGMP (Cat. No. 1838-5, -25)
- cGMP Antibody (Cat. No. 3568-100)
- cGMP Direct Immunoassay Kit (Colorimetric) (Cat. No. K372-100)

FOR RESEARCH USE ONLY! Not to be used on humans.