DATASHEET

N6-methyladenosine Rabbit Monoclonal Antibody(C2020)

CAT. NO. AMA01632

KEY FEATURES

Target	N6-methyladenosine	**Source / Host**	Rabbit
Reactivity	All	**Clonality**	Monoclonal
Applications	Dot blot	**Conjugation**	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.	**Storage**	at-20°C

BACKGROUND

N6-methyladenosine (m6A) is the most abundant internal modification of eukaryotic messenger RNA, deposited by the METTL3/METTL14 methyltransferase complex and removed by FTO and ALKBH5 demethylases. m6A regulates mRNA splicing, stability, translation, and nuclear export, with broad implications in development, immunity, and cancer. Anti-m6A antibodies are used in MeRIP-seq, dot blot, and immunoprecipitation.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

DB	1:500 - 1:2000

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Recombinant rabbit monoclonal antibody to N6-methyladenosine
Specificity	Recognizes N6-methyladenosine
Antibody Type	Primary antibody, Recombinant
Immunogen	KLH-conjugated m6A
Purification	The antibody was purified by immunogen affinity chromatography.
Form/Buffer	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Alternative Names	m6A

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

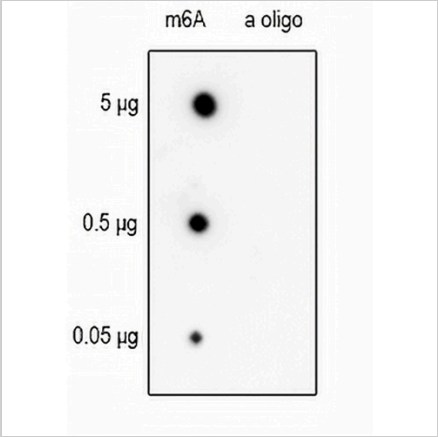
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

N6-methyladenosine Rabbit Monoclonal Antibody(C2020)

CAT. NO. AMA01632

DATA



The membrane was blotted with anti-N6-methyladenosine antibody. The HRP-conjugated Goat anti-Rabbit IgG (H+L) antibody was used to detect the antibody.

Data 2

Immunohistochemical analysis of Phospho-Serine/Threonine staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Data 3

Immunofluorescent analysis of Phospho-Serine/Threonine staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AREX® Fluor 488 - conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.