

METTL3 Rabbit pAb

Catalog NO.: A8370SP **44 Publications**

Basic Information

Observed MW

70 kDa

Calculated MW

25 kDa/64 kDa

Category

Polyclonal Antibodies

Applications

WB, IP, IF/ICC, IHC-P, ChIP, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Background

This gene encodes the 70 kDa subunit of MT-A which is part of N6-adenosine-methyltransferase. This enzyme is involved in the posttranscriptional methylation of internal adenosine residues in eukaryotic mRNAs, forming N6-methyladenosine.

Recommended Dilutions

WB 1:1000 - 1:10000

IP

0.5 µg - 4 µg antibody for 200 µg - 400 µg extracts of whole cells

IF/ICC 1:200 - 1:400

IHC-P 1:800 - 1:3200

ChIP 2 µg antibody for 10 µg-15 µg of Chromatin

ELISA

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

56339

Swiss Prot

Q86U44

Immunogen

This information is considered to be commercially sensitive.

Synonyms

M6A; IME4; Spo8; MT-A70; hMETTL3; METTL3

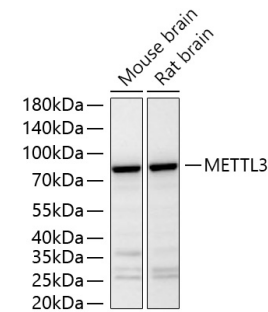
Contact

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Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.		

Validation Data



Western blot analysis of various lysates using METTL3 Rabbit pAb (A8370SP) at 1:3000 dilution incubated at room temperature for 1.5 hours.

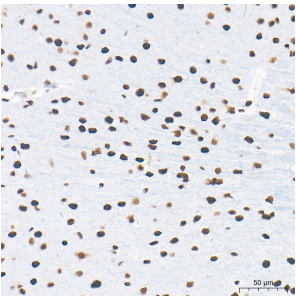
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

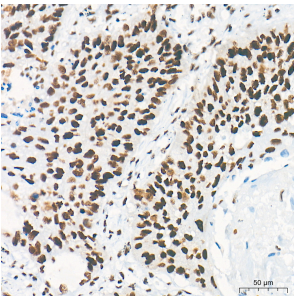
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

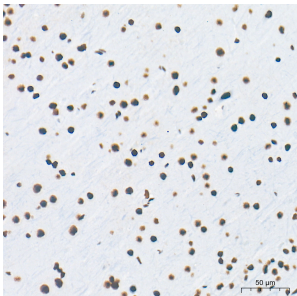
Exposure time: 10 s.



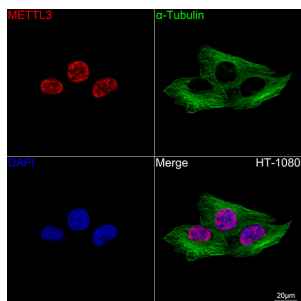
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using METTL3 Rabbit pAb (A8370SP) at a dilution of 1:2500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using METTL3 Rabbit pAb (A8370SP) at a dilution of 1:2500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using METTL3 Rabbit pAb (A8370SP) at a dilution of 1:2500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of HT-1080 cells using METTL3 Rabbit pAb (A8370SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue).

Objective: 100x.

Antibody | Protein | ELISA Kit | Enzyme | NGS | Service

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

Please visit <https://abclonal.com> for a complete list of recommended products.