

[KD Validated] METTL14 Rabbit mAb

Catalog No.: A24396 **Recombinant** **1 Publications**

Basic Information

Observed MW

65kDa

Calculated MW

52kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IP

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC59147

Background

Enables mRNA binding activity. Contributes to mRNA (2'-O-methyladenosine-N6-)-methyltransferase activity. Involved in mRNA metabolic process; negative regulation of hematopoietic progenitor cell differentiation; and positive regulation of translation. Located in nucleoplasm. Part of RNA N6-methyladenosine methyltransferase complex.

Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:1000 - 1:5000

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

Immunogen Information

Gene ID

57721

Swiss Prot

Q9HCE5

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-210 of human METTL14 (NP_066012.1).

Synonyms

hMETTL14; [KD Validated] METTL14

Contact

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 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

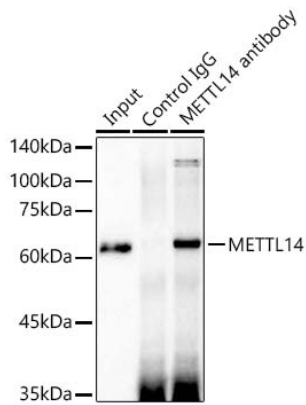
Affinity purification

Storage

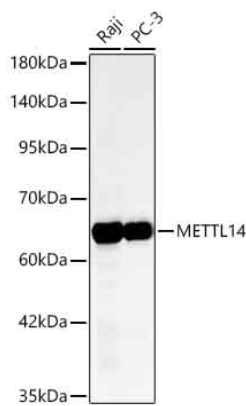
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

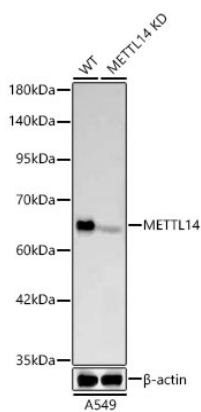
Validation Data



Immunoprecipitation analysis of 300ug extracts of Raji cells using 3ug METTL14 Rabbit mAb (A24396). Western blot was performed from the immunoprecipitate using METTL14 Rabbit mAb (A24396) at a dilution of 1:500.

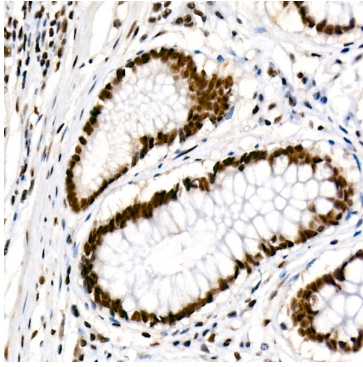


Western blot analysis of various lysates, using [KD Validated] METTL14 Rabbit mAb (A24396) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.

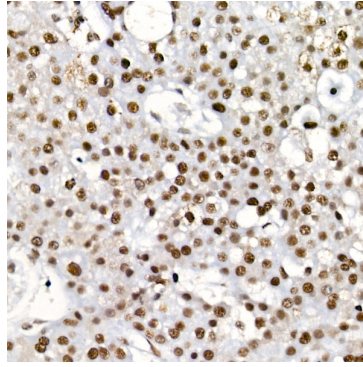


Western blot analysis of lysates from wild type (WT) and METTL14 knockdown (KD) A549 cells, using [KD Validated] METTL14 Rabbit mAb (A24396) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.

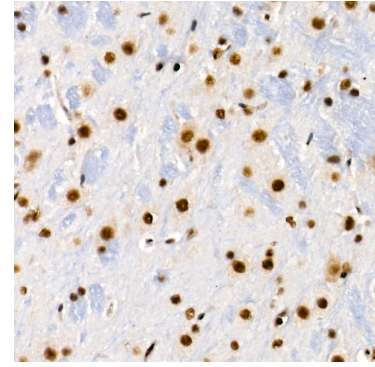
Validation Data



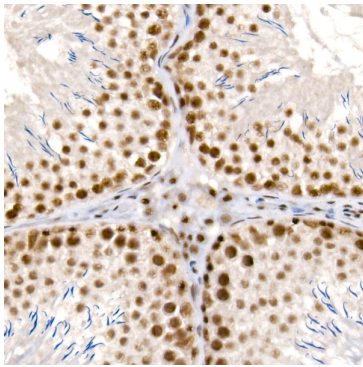
Immunohistochemistry analysis of METTL14 in paraffin-embedded human colon carcinoma using [KO Validated] METTL14 Rabbit mAb (A24396) at dilution of 1:2000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of METTL14 in paraffin-embedded human liver cancer using [KO Validated] METTL14 Rabbit mAb (A24396) at dilution of 1:2000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of METTL14 in paraffin-embedded mouse brain using [KO Validated] METTL14 Rabbit mAb (A24396) at dilution of 1:2000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of METTL14 in paraffin-embedded rat testis using [KO Validated] METTL14 Rabbit mAb (A24396) at dilution of 1:2000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.