

[KD Validated] YTHDC2 Rabbit pAb

Catalog No.: A24219

Basic Information

Observed MW

170kDa

Calculated MW

160kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC, IP

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a member of the DEAH (Asp-Glu-Ala-His) subfamily of proteins, part of the DEAD (Asp-Glu-Ala-Asp) box family of RNA helicases. The encoded protein binds to N6-methyladenosine, a common modified RNA nucleotide that is enriched in the stop codons and 3' UTRs of eukaryotic messenger RNAs. Binding of proteins to this modified nucleotide may regulate mRNA translation and stability. This gene may be associated with susceptibility to pancreatic cancer in human patients, and knockdown of this gene resulted in reduced proliferation in a human liver cancer cell line.

Recommended Dilutions

WB 1:500 - 1:1000

IF/ICC 1:50 - 1:200

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

Immunogen Information

Gene ID

64848

Swiss Prot

Q9H6S0

Immunogen

Recombinant Protein corresponding to a sequence within amino acids 1286-1430 of human YTHDC2(NP_073739.3).

Synonyms

CAHL; hYTHDC2; YTHDC2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

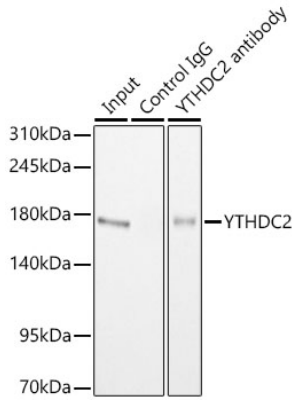
Affinity purification

Storage

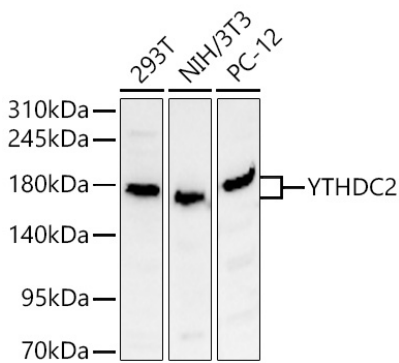
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



Immunoprecipitation of YTHDC2 in 200 µg extracts from 293T cells using 0.5 µg [KD Validated] YTHDC2 Rabbit pAb (A24219). Western blot analysis was performed using [KD Validated] YTHDC2 Rabbit pAb (A24219) at 1:1000 dilution.



Western blot analysis of various lysates using [KD Validated] YTHDC2 Rabbit pAb (A24219) at 1:1000 dilution.

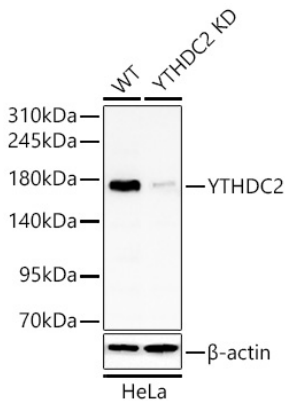
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates / proteins: 25 µg per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Western blot analysis of lysates from wild type (WT) and YTHDC2 knockdown (KD) HeLa cells using [KD Validated] YTHDC2 Rabbit pAb (A24219) at 1:1000 dilution.

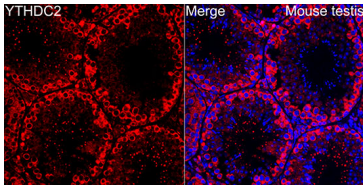
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

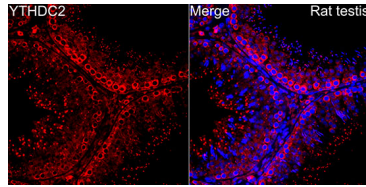
Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.

Validation Data



Immunofluorescence analysis of paraffin-embedded Mouse testis using [KD Validated] YTHDC2 Rabbit pAb(A24219) at a dilution of 1:150 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded Rat testis using [KD Validated] YTHDC2 Rabbit pAb(A24219) at a dilution of 1:150 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.