

[KD Validated] YTHDC1 Rabbit mAb

Catalog No.: A22992 **Recombinant**

Basic Information

Observed MW

110kDa

Calculated MW

85kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IP

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC59465

Background

Enables N6-methyladenosine-containing RNA binding activity. Involved in mRNA export from nucleus; mRNA splice site selection; and regulation of gene expression. Located in nuclear speck and plasma membrane.

Recommended Dilutions

WB 1:1000 - 1:5000

IHC-P 1:500 - 1:1000

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

Immunogen Information

Gene ID

91746

Swiss Prot

Q96MU7

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-71 of human YTHDC1 (NP_001026902.1).

Synonyms

YT521; YT521-B; [KD Validated] YTHDC1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

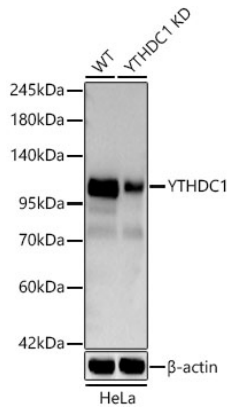
Affinity purification

Storage

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

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

Validation Data



Western blot analysis of lysates from wild type (WT) and YTHDC1 knockdown (KD) HeLa cells, using [KD Validated] YTHDC1 Rabbit mAb (A22992) at 1:3000 dilution.

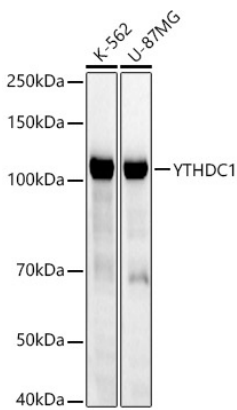
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Western blot analysis of various lysates, using [KD Validated] YTHDC1 Rabbit mAb (A22992) at 1:2000 dilution.

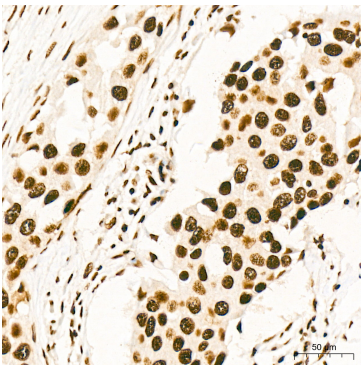
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

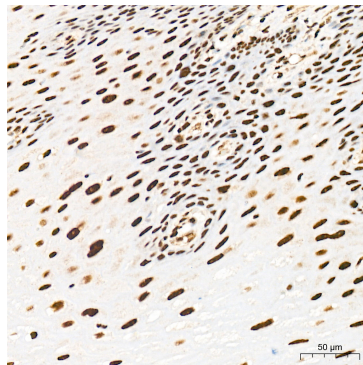
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

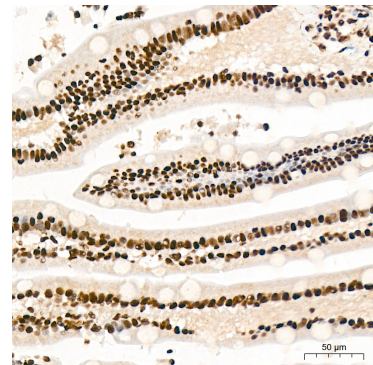
Exposure time: 30s.



Immunohistochemistry analysis of YTHDC1 in paraffin-embedded human breast cancer tissue using [KD Validated] YTHDC1 Rabbit mAb (A22992) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

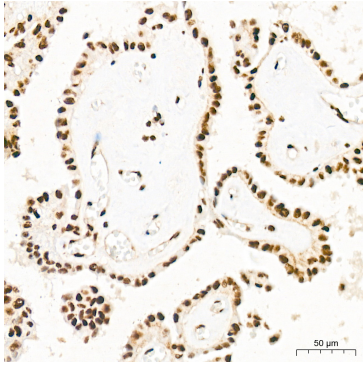


Immunohistochemistry analysis of YTHDC1 in paraffin-embedded human esophagus tissue using [KD Validated] YTHDC1 Rabbit mAb (A22992) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

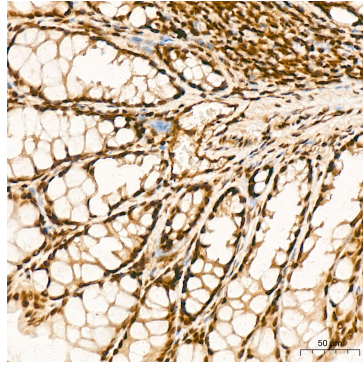


Immunohistochemistry analysis of YTHDC1 in paraffin-embedded human small intestine tissue using [KD Validated] YTHDC1 Rabbit mAb (A22992) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

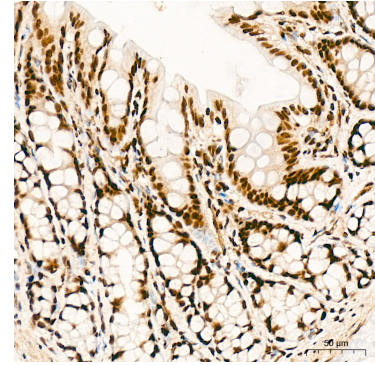
Validation Data



Immunohistochemistry analysis of YTHDC1 in paraffin-embedded human thyroid cancer tissue using [KD Validated] YTHDC1 Rabbit mAb (A22992) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of YTHDC1 in paraffin-embedded mouse colon tissue using [KD Validated] YTHDC1 Rabbit mAb (A22992) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of YTHDC1 in paraffin-embedded rat colon tissue using [KD Validated] YTHDC1 Rabbit mAb (A22992) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.