

[KD Validated] YTHDC1 Rabbit mAb

Catalog No.: A22992 **Recombinant** **1 Publications**

Basic Information

Observed MW

110kDa

Calculated MW

85kDa

Category

Primary antibody

Applications

WB,IHC-P,IP,ELISA

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 1:2000 - 1:8000

IHC-P 1:500 - 1:5000

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

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID

91746

Swiss Prot

Q96MU7

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

YT521; YT521-B; [KD Validated] YTHDC1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

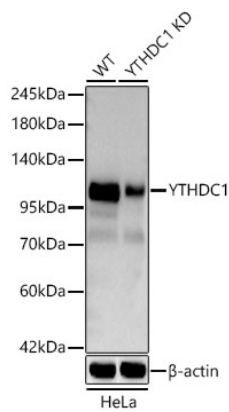
Affinity purification

Storage

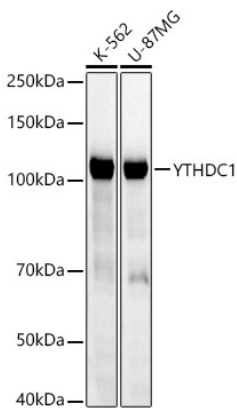
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

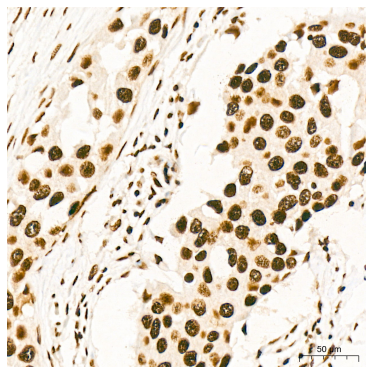
Validation Data



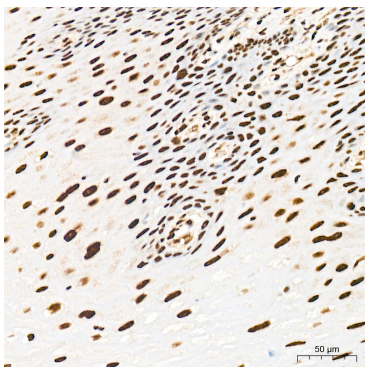
Western blot analysis of lysates from wild type (WT) and YTHDC1 knockdown (KD) HeLa cells using [KD Validated] YTHDC1 Rabbit mAb (A22992) at 1:3000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



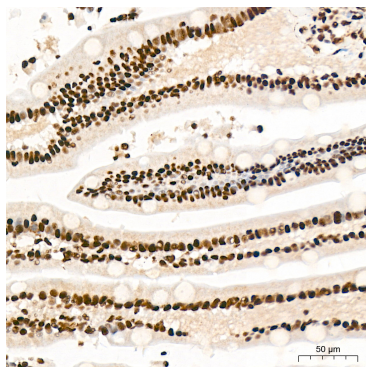
Western blot analysis of various lysates using [KD Validated] YTHDC1 Rabbit mAb (A22992) at 1:2000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunohistochemistry analysis of 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 performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

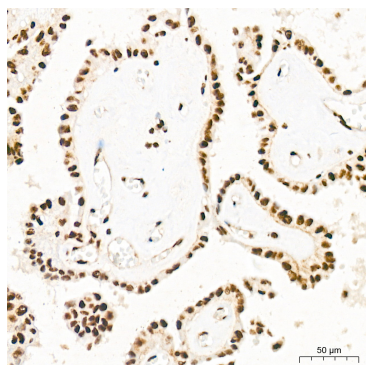


Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using [KD Validated] YTHDC1 Rabbit mAb (A22992) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

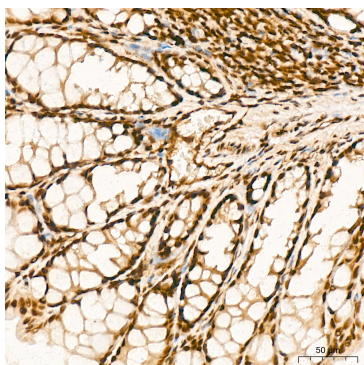


Immunohistochemistry analysis of paraffin-embedded Human small intestine tissue using [KD Validated] YTHDC1 Rabbit mAb (A22992) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

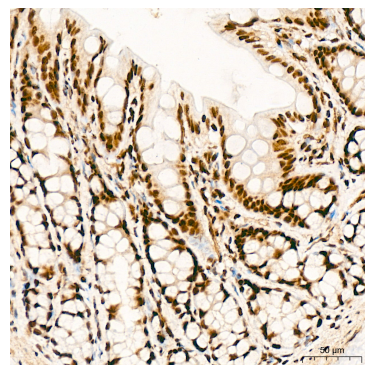
Validation Data



Immunohistochemistry analysis of 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 performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



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



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