

# [KD Validated] YTHDC1 Rabbit mAb

Catalog No.: A22992 **Recombinant**

## 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 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

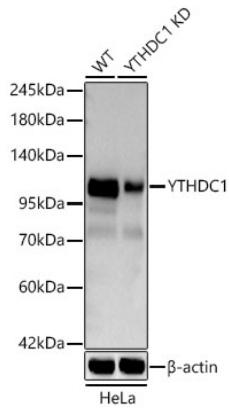
Affinity purification

### Storage

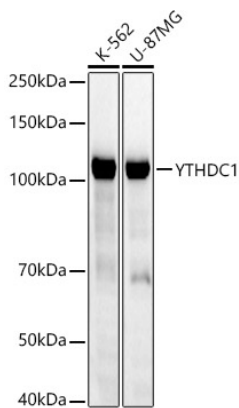
Store at -20°C. Avoid freeze / thaw cycles.

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

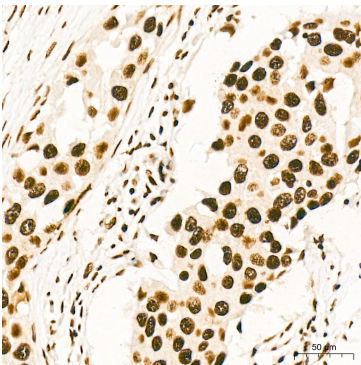
## Validation Data



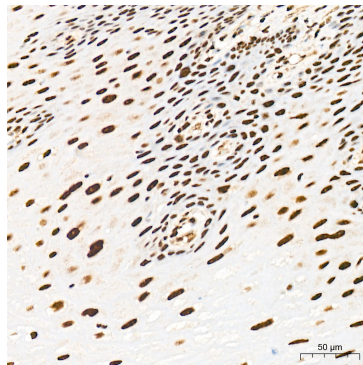
Western blot analysis of lysates from wild type (WT) and YTHDC1 knockdown (KD) HeLa cells using [KD Validated] YTHDC1 Rabbit mAb (A22992) at 1:3000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per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



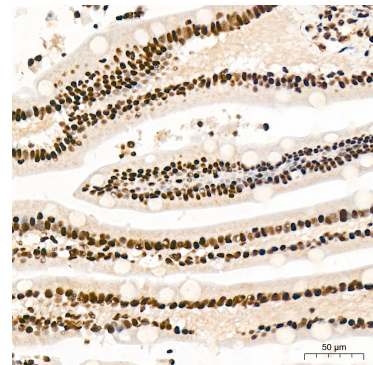
Western blot analysis of various lysates using [KD Validated] YTHDC1 Rabbit mAb (A22992) at 1:2000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.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



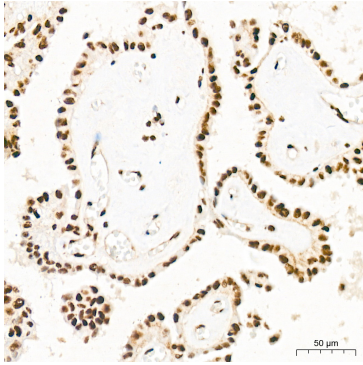
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using [KD Validated] YTHDC1 Rabbit mAb (A22992) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



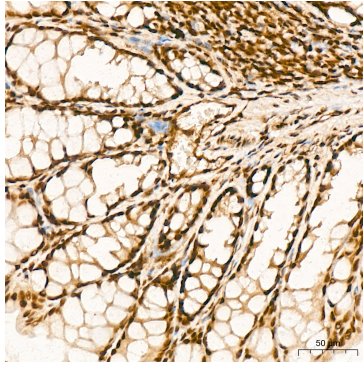
Immunohistochemistry analysis of paraffin-embedded Human small intestine tissue using [KD Validated] YTHDC1 Rabbit mAb (A22992) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

## Validation Data

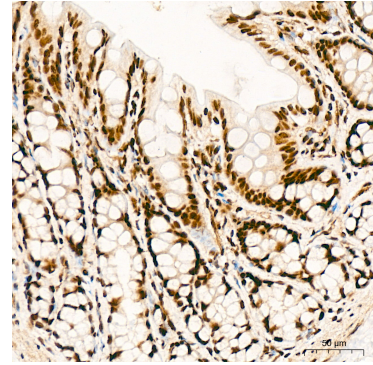
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Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using [KD Validated] YTHDC1 Rabbit mAb (A22992) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to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