

For Research Use Only

# YTHDC2 Recombinant antibody

Catalog Number: 83970-1-RR



## Basic Information

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|---|--|--|
| <b>Catalog Number:</b><br>83970-1-RR        | <b>GenBank Accession Number:</b><br>BC137285 | <b>Purification Method:</b><br>Protein A purification                |
| <b>Size:</b><br>1000 µg/ml                  | <b>GeneID (NCBI):</b><br>64848               | <b>CloneNo.:</b><br>241123A9   |
| <b>Source:</b><br>Rabbit                    | <b>UNIPROT ID:</b><br>Q9H6S0                 | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000<br>IHC 1:50-1:500 |
| <b>Isotype:</b><br>IgG                      | <b>Full Name:</b><br>YTH domain containing 2 |  |
| <b>Immunogen Catalog Number:</b><br>AG26690 | <b>Observed MW:</b><br>160 kDa               |  |

## Applications

**Tested Applications:**  
WB, IHC, FC (Intra), ELISA

**Species Specificity:**  
human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** HeLa cells, HepG2 cells, A549 cells, MCF-7 cells, mouse testis tissue

**IHC:** rat testis tissue,

## Background Information

YTHDC2, also named as Probable ATP-dependent RNA helicase YTHDC2, is a 1430 amino acid protein, which belongs to the DEAD box helicase family. YTHDC2 specifically recognizes and binds N6-methyladenosine (m6A)-containing RNAs. M6A is a modification present at internal sites of mRNAs and some non-coding RNAs and plays a role in the efficiency of mRNA splicing, processing and stability.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

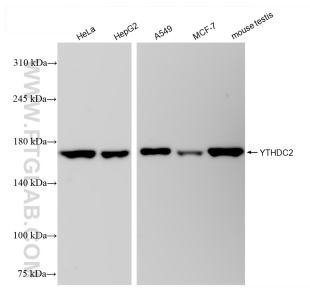
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

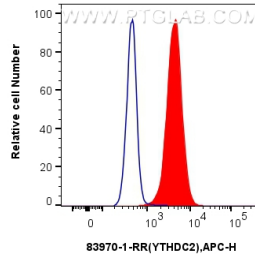
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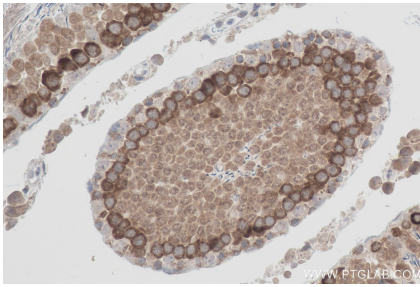
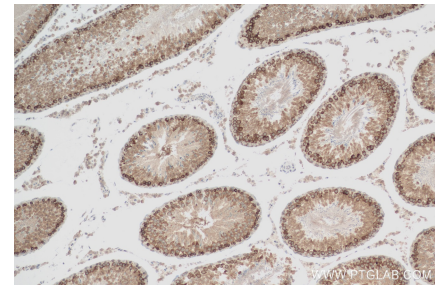
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83970-1-RR (YTHDC2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.25  $\mu$ g YTHDC2 Recombinant antibody (83970-1-RR, Clone:241123A9) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 83970-1-RR (YTHDC2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).