

For Research Use Only

YTHDC2 Recombinant antibody

Catalog Number: 83970-1-RR



Basic Information

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

Applications

Tested Applications:	Positive Controls:
WB, IHC, FC (Intra), ELISA	WB : HeLa cells, HepG2 cells, A549 cells, MCF-7 cells, mouse testis tissue
Species Specificity:	IHC : rat testis tissue,
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	

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:

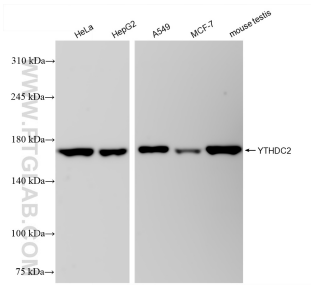
T: 4006900926

E: Proteintech-CN@ptglab.com

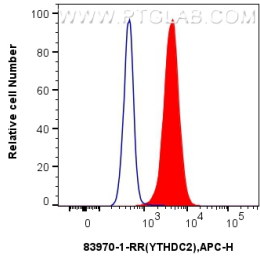
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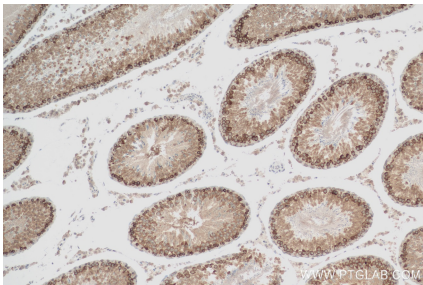
Selected Validation Data



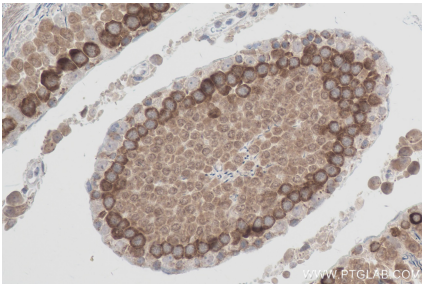
Various lysates were subjected to SDS PAGE followed by western blot with 83970-1-RR (YTHDC2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



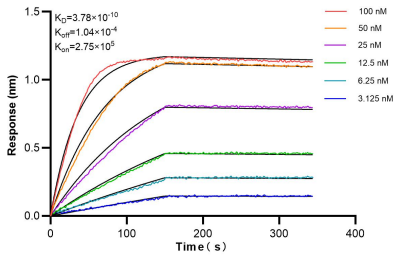
1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug YTHDC2 Recombinant antibody (83970-1-RR, Clone:241123A9) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 83970-1-RR (YTHDC2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Biolayer interferometry (BLI) kinetic assays of 83970-1-RR against Human YTHDC2 were performed. The affinity constant is 0.378 nM.