

For Research Use Only

YTHDC2 Polyclonal antibody

Catalog Number: 27779-1-AP

Featured Product

28 Publications



Basic Information

Catalog Number:

27779-1-AP

Concentration:

800 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26690

GenBank Accession Number:

BC137285

GeneID (NCBI):

64848

UNIPROT ID:

Q9H6S0

Full Name:

YTH domain containing 2

Observed MW:

160 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:1000-1:4000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, RIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig

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 : HepG2 cells, HeLa cells, MCF-7 cells, MDA-MB-231 cells

IP : HeLa cells,

IHC : rat testis tissue, human stomach cancer tissue

IF/ICC : HepG2 cells,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Kusuma Suphakhong	36183833	J Biol Chem	WB
Hao Sheng	31504235	Carcinogenesis	WB
Lingfang Wang	36288717	Cell Rep	WB

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:

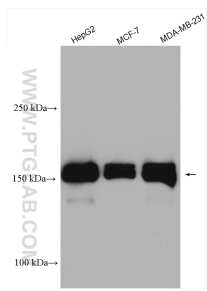
T: 4006900926

E: Proteintech-CN@ptglab.com

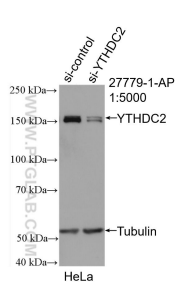
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

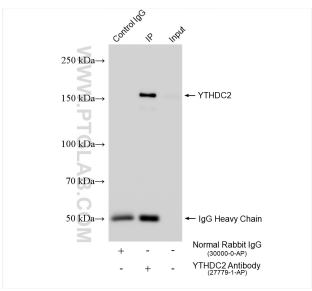
Selected Validation Data



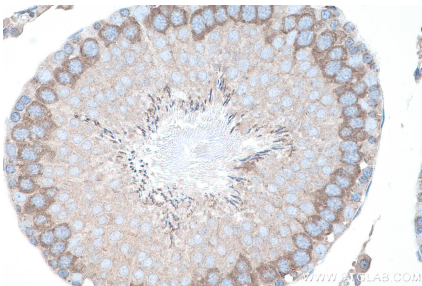
Various lysates were subjected to SDS PAGE followed by western blot with 27779-1-AP (YTHDC2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



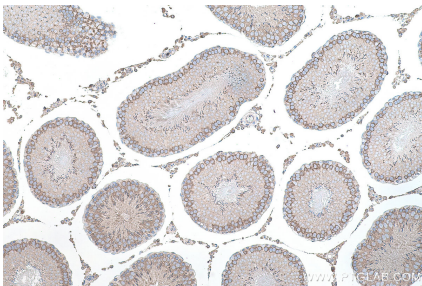
WB result of YTHDC2 antibody (27779-1-AP; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-YTHDC2 transfected HeLa cells.



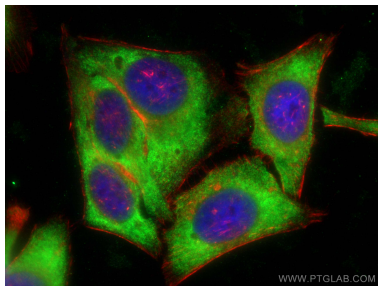
IP result of anti-YTHDC2 (IP:27779-1-AP, 4ug; Detection:27779-1-AP 1:5000) with HeLa cells lysate 1200 ug.



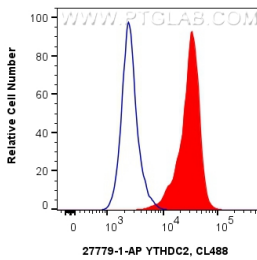
Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 27779-1-AP (YTHDC2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



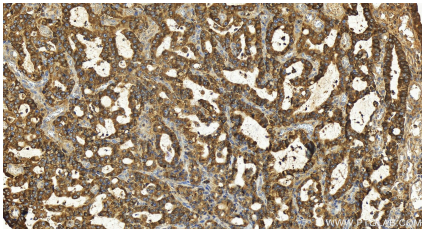
Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 27779-1-AP (YTHDC2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using YTHDC2 antibody (27779-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human YTHDC2 (27779-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 27779-1-AP (YTHDC2 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).