

For Research Use Only

YTHDC1 Polyclonal antibody

Catalog Number: 29441-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number: 29441-1-AP	GenBank Accession Number: BC053863	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 750 µg/ml by Nanodrop;	GeneID (NCBI): 91746	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
Source: Rabbit	Full Name: YTH domain containing 1	IHC 1:50-1:500
Isotype: IgG	Calculated MW: 85 kDa	
Immunogen Catalog Number: AG31459	Observed MW: ~100 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, HepG2 cells, MDA-MB-231 cells
Cited Applications: IF, IHC, IP, RIP, WB	IP : HEK-293 cells,
Species Specificity: Human	IHC : human colon cancer tissue,
Cited Species: 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

YTHDC1, containing 1 YTH domain, is one of the m6A-binding proteins that can recognize and bind to the m6A methylation site and plays a specific role in gene expression. YTHDC1 is constitutively enriched in the nucleus. It regulates mRNA splicing by bridging the interactions between the trans- and cis-regulatory elements to bind targeted mRNAs. YTHDC1 mediates the export of m6A modified mRNA from the nucleus to the cytoplasm by interacting with SRSF3, which is an essential factor driving the tumorigenic process in various types of cancers including breast cancer, colon cancer, ovarian cancer, osteosarcoma, and glioblastoma (32368386).

Notable Publications

Author	Pubmed ID	Journal	Application
Kusuma Suphakhong	36183833	J Biol Chem	WB
Zhenwei Li	34825733	J Clin Lab Anal	WB
Fanhua Kong	36434140	Discov Oncol	WB

Storage

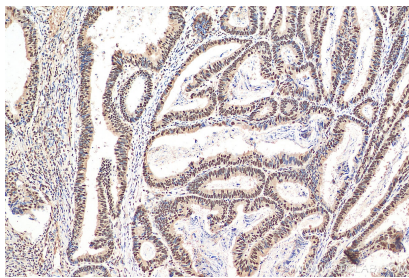
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

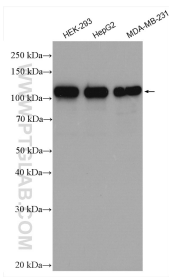
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

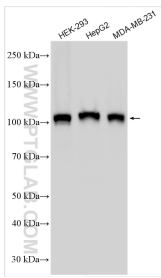
Selected Validation Data



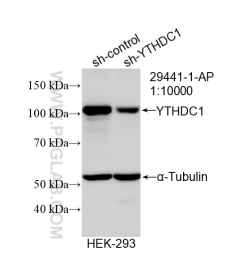
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29441-1-AP (YTHDC1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



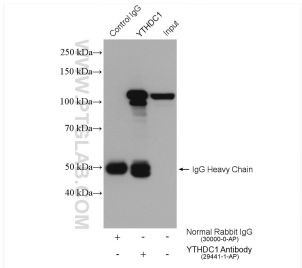
Various lysates were subjected to SDS PAGE followed by western blot with 29441-1-AP (YTHDC1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 29441-1-AP (YTHDC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of YTHDC1 antibody (29441-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-YTHDC1 transfected HEK-293 cells.



IP result of anti-YTHDC1 (IP: 29441-1-AP, 4ug; Detection: 29441-1-AP 1:2000) with HEK-293 cells lysate 1800 ug.