

For Research Use Only

YTHDF3-specific Polyclonal antibody



Catalog Number: 25537-1-AP

Featured Product

70 Publications

Basic Information

Catalog Number: 25537-1-AP	GenBank Accession Number: BC052970	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 850 µg/ml by Nanodrop;	GeneID (NCBI): 253943	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	UNIPROT ID: Q7Z739	
Isotype: IgG	Full Name: YTH domain family, member 3	
Immunogen Catalog Number: AG22374	Calculated MW: 585 aa, 64 kDa	
	Observed MW: 64 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : A549 cells, HeLa cells, HCT 116 cells, HepG2 cells, PC-12 cells, NIH/3T3 cells
Cited Applications: CoIP, IF, IHC, RIP, WB	IHC : human colon cancer tissue,
Species Specificity: human, mouse	IF : PC-12 cells,
Cited Species: human, chicken, mouse, pig	
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

YTHDF3, also named as YTH domain-containing family protein 3, is a 585 amino acid protein, which contains 1 YTH domain. YTHDF3 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. Our antibody 25537-1-AP specially reacts with YTHDF3 protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Fanpeng Zhao	34593014	Mol Neurodegener	WB
Kusuma Suphakhong	36183833	J Biol Chem	WB
Deyin Liu	36171455	J Cancer Res Clin Oncol	WB,RIP

Storage

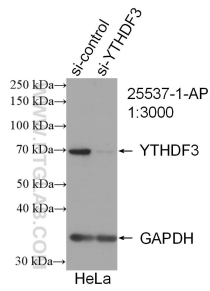
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

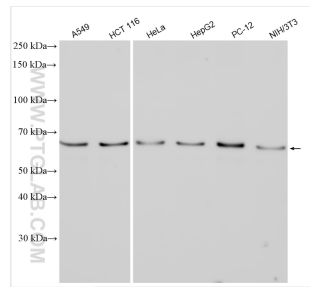
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

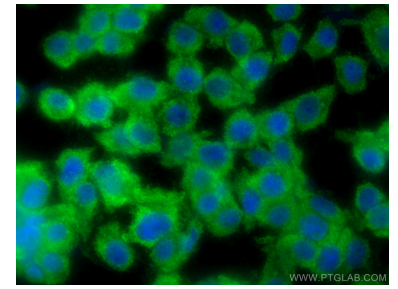
Selected Validation Data



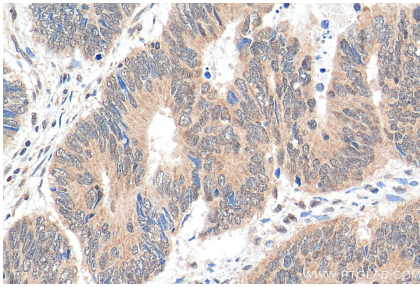
WB result of YTHDF3-specific antibody (25537-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-YTHDF3-specific transfected HeLa cells.



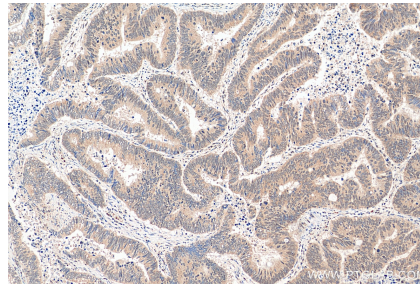
Various lysates were subjected to SDS PAGE followed by western blot with 25537-1-AP (YTHDF3-specific antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-12 cells using YTHDF3-specific antibody (25537-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 25537-1-AP (YTHDF3-specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 25537-1-AP (YTHDF3-specific antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).