

For Research Use Only

TRBP Polyclonal antibody

Catalog Number:15753-1-AP

Featured Product

22 Publications



Basic Information

Catalog Number:

15753-1-AP

Size:

150ul , Concentration: 900 ug/ml by Nanodrop and 420 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8255

GenBank Accession Number:

BC005860

GeneID (NCBI):

6895

UNIPROT ID:

Q15633

Full Name:

TAR (HIV-1) RNA binding protein 2

Calculated MW:

39 kDa

Observed MW:

43-46 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF, IP, RIP

Species Specificity:

human, mouse, rat

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

Positive Controls:

WB : HepG2 cells, mouse liver tissue, mouse spleen tissue

IP : mouse liver tissue,

IHC : human brain tissue, human kidney tissue, human ovary tissue, human placenta tissue, human spleen tissue, human testis tissue

IF/ICC : HeLa cells,

Background Information

TARBP2 is a component of the RISC loading complex (RLC), also known as the micro-RNA (miRNA) loading complex (miRLC). Within the complex, TARBP2 and DICER1 are required to process precursor miRNAs (pre-miRNA) to mature miRNA and then load them onto EIF2C2/AGO2. It may have a role in the production of short interfering RNAs (siRNAs) from double-stranded RNA (dsRNA) by DICER1. Otherwise, it binds to the HIV-1 TAR RNA that is located in the long terminal repeat (LTR) of HIV-1, and stimulates translation of TAR-containing RNAs. The endogenous TRBP that was present in HEK293 cells, with apparent molecular masses of 43-46 kDa, are expressed in human cells. (PMID: 16142218)

Notable Publications

Author	Pubmed ID	Journal	Application
Sirwan Sleman	36179070	Viral Immunol	WB,IP
Hailong Zhang	34518544	Nat Commun	WB
Zachary C E Hawley	33137311	J Mol Biol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

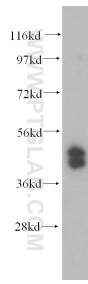
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

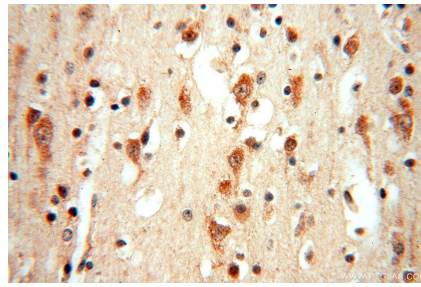
E: proteintech@ptglab.com
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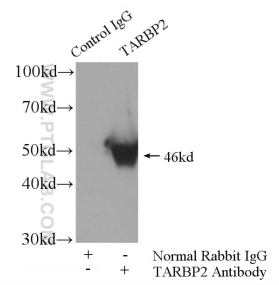
Selected Validation Data



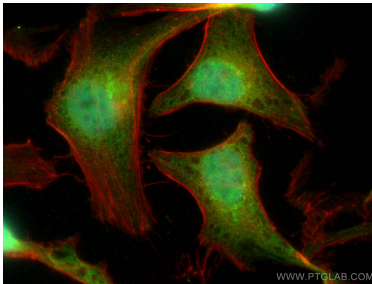
HepG2 cells were subjected to SDS PAGE followed by western blot with 15753-1-AP (TRBP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 15753-1-AP (TRBP antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-TRBP (IP:15753-1-AP, 4ug; Detection:15753-1-AP 1:1500) with mouse liver tissue lysate 6400ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TRBP antibody (15753-1-AP) at dilution of 1:400 and Coralite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).