

For Research Use Only

TRBP Monoclonal antibody

Catalog Number: 66792-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number: 66792-1-Ig	GenBank Accession Number: BC005860	Purification Method: Protein G purification
Size: 150ul, Concentration: 1200 ug/ml by Nanodrop and 740 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6895	CloneNo.: 1C9A10
Source: Mouse	UNIPROT ID: Q15633	Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:800
Isotype: IgG1	Full Name: TAR (HIV-1) RNA binding protein 2	
Immunogen Catalog Number: AG8269	Calculated MW: 39 kDa	
	Observed MW: 43-46 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells, HepG2 cells
Cited Applications: WB, IP	IHC : human breast cancer tissue,
Species Specificity: Human	
Cited Species: human	

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

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
Ting Peng	35695407	J Med Chem	WB,IP

Storage

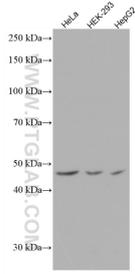
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

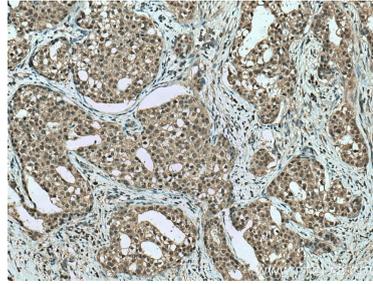
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

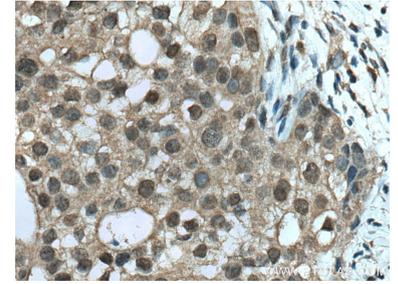
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66792-1-Ig (TRBP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66792-1-Ig (TRBP antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66792-1-Ig (TRBP antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).