

For Research Use Only

# TRBP Monoclonal antibody

Catalog Number: 66792-1-Ig

Featured Product

1 Publications



## Basic Information

<b>Catalog Number:</b> 66792-1-Ig	<b>GenBank Accession Number:</b> BC005860	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1200 µg/ml	<b>GeneID (NCBI):</b> 6895	<b>CloneNo.:</b> 1C9A10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q15633	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> TAR (HIV-1) RNA binding protein 2	
<b>Immunogen Catalog Number:</b> AG8269	<b>Calculated MW:</b> 39 kDa	
	<b>Observed MW:</b> 43-46 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HEK-293 cells, HepG2 cells IHC : human breast cancer tissue,
<b>Cited Applications:</b> WB, IP	
<b>Species Specificity:</b> Human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

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

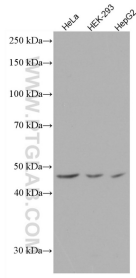
T: 4006900926

E: Proteintech-CN@ptglab.com

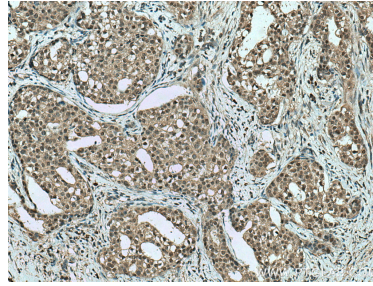
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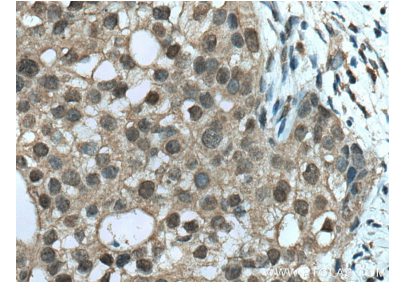
## Selected Validation Data



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).