

For Research Use Only

# TDP-43 Monoclonal antibody

Catalog Number: 66734-1-Ig **5 Publications**



## Basic Information

<b>Catalog Number:</b> 66734-1-Ig	<b>GenBank Accession Number:</b> BC001487	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1500 ug/ml	<b>GeneID (NCBI):</b> 23435	<b>CloneNo.:</b> 1G4F5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13148	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:1000-1:4000
<b>Isotype:</b> IgG1	<b>Full Name:</b> TAR DNA binding protein	
	<b>Calculated MW:</b> 43 kDa	
	<b>Observed MW:</b> 43 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC, IF	<b>WB :</b> HeLa cells, HEK-293 cells, Jurkat cells, HSC-T6 cells, C6 cells, NIH/3T3 cells
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> mouse brain tissue, human gliomas tissue, rat liver tissue
<b>Cited Species:</b> human, mouse	
<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

Transactivation response (TAR), DNA-binding protein of 43 kDa (also known as TARDBP or TDP-43), was first isolated as a transcriptional inactivator binding to the TAR DNA element of the HIV-1 virus. Neumann et al. (2006) found that a hyperphosphorylated, ubiquitinated, and cleaved form of TARDBP, known as pathologic TDP-43, is the major component of the tau-negative and ubiquitin-positive inclusions that characterize amyotrophic lateral sclerosis (ALS) and the most common pathological subtype of frontotemporal lobar degeneration (FTLD-U). 66734-1-Ig is a mouse monoclonal antibody recognizing the intact protein of TDP-43.

## Notable Publications

Author	Pubmed ID	Journal	Application
Phaneendra Chennampally	34518579	Sci Rep	IF
Rui Zhang	33613100	Int J Biol Sci	WB, IF
Alissa L Nana	30511086	Acta Neuropathol	IF

## 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:

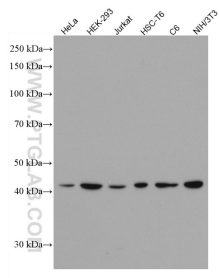
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

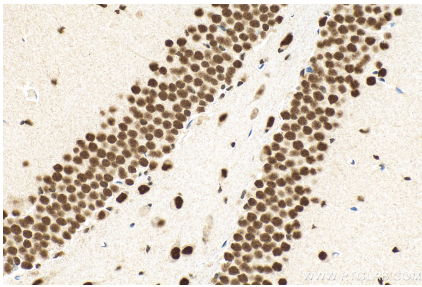
W: [ptgcn.com](http://ptgcn.com)

**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 66734-1-Ig (TDP-43 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66734-1-Ig (TDP-43 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).