

For Research Use Only

TDP-43 Monoclonal antibody

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



Basic Information

Catalog Number: 66734-1-Ig	GenBank Accession Number: BC001487	Purification Method: Protein A purification
Size: 150ul , Concentration: 1500 ug/ml by Nanodrop and 848 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23435	CloneNo.: 1G4F5
Source: Mouse	UNIPROT ID: Q13148	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000
Isotype: IgG1	Full Name: TAR DNA binding protein	
	Calculated MW: 43 kDa	
	Observed MW: 43 kDa	

Applications

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

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

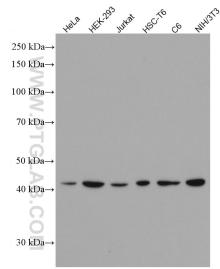
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

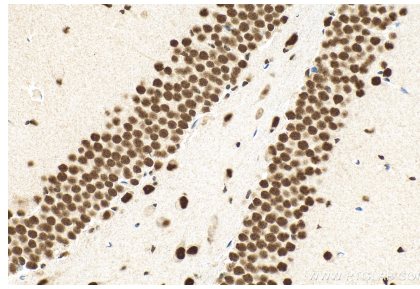
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 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).