For Research Use Only

## TDP-43 (C-terminal) Polyclonal antibody

Catalog Number:12892-1-AP

**Featured Product** 

247 Publications



Basic Information	Catalog Number: 12892-1-AP	GenBank Accession Number: BC001487		Purification Method: Antigen affinity purification	
	Concentration:	GenelD (NCE	BI):	Recommended Dilutions:	
	650 ug/ml	-		WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total	
	Source: Rabbit	UNIPROT ID: Q13148		protein lysate IHC 1:1000-1:4000 IF-Fro 1:200-1:800 IF/ICC 1:2000-1:8000	
	Isotype:	Full Name:			
	lgG		nding protein		
		Calculated N 43 kDa	4W:		
			Observed MW: 43-45 kDa, 35 kDa		
Applications	Tested Applications: Positive Controls:			ontrols:	
	WB, IHC, IF/ICC, IF-Fro, FC (Intra), IP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP, chIP, RIP Species Specificity: human, mouse, rat			WB : A549 cells, C6 cells, mouse brain tissue, Calu-1 cells, HeLa cells, K-562 cells	
				IP : HeLa cells, mouse brain tissue	
			IHC : rat b	IHC : rat brain tissue, human gliomas tissue, mouse brain tissue	
	Cited Species:	human, mouse, rat, monkey, chicken, zebrafish,		IF-Fro : mouse brain tissue,	
	drosophila			IF/ICC : HeLa cells, Neuro-2a cells	
	retrieval may be per	Alternatively, antige formed with <mark>citrate</mark>			
	buffer pH 6.0				
Background Informatior	Transactivation response as a transcriptional inacti a hyperphosphorylated, u component of the tau-neg (ALS) and the most comm rabbit polyclonal antibod the cleavage product of 2 Immunohistochemical ar insoluble inclusions in pa fragments, 45-50 kDa phc cross-linked form. (17023	ivator binding to the TAR I abiquitinated, and cleaved gative and ubiquitin-posit ion pathological subtype of dy raised against the C-ter O-30 kDa in addition to th halyses of TDP-43 using th athologic tissues. Various osphoprotein, 55 kDa glyc. (659, 19823856, 21666678,	DNA element of the H d form of TARDBP, knu cive inclusions that cl of frontotemporal lob minal amino acids o ue native and phosphi is antibody detect bo forms of TDP-43 exis osylated form, 75 kD .22193176)	IIV-1 virus. Neumann et al. (2006) found th own as pathologic TDP-43, is the major naracterize amyotrophic lateral sclerosis oar degeneration (FTLD-U). 12892-1-AP is a f human TDP-43. This antibody recognizes orylated forms of TDP-43. oth normal diffuse nuclear staining and t, including 18-35 kDa of cleaved C-termin a hyperphosphorylated form, and 90-300 k	
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 For technical support and original validation data for this product please contact:

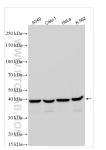
 T: 4006900926
 E: Proteintech-CN@ptglab.com
 W: ptgcn.com

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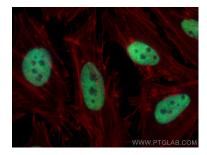
## Selected Validation Data



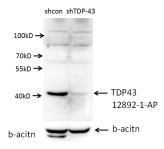
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 12892-1-AP (TDP-43 (C-terminal) antibody at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



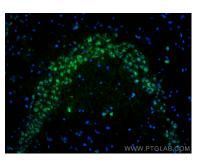
Various lysates were subjected to SDS PAGE followed by western blot with 12892-1-AP (TDP-43 (C-terminal) antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



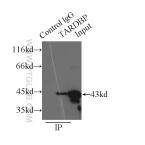
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TDP-43 (C-terminal) antibody (12892-1-AP) at dilution of 1:4000 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



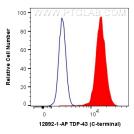
A549 cells (shcontrol and shRNA of TDP43) were subjected to SDS PAGE followed by western blot with 12892-1-AP (TDP43 antibody) at dilution of 1:1000.



Immunofluorescent analysis ofun-fixed frozen OCT-embedded mouse brain tissue using TDP-43 (C-terminal) antibody (12892-1-AP) at dilution of 1:400 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



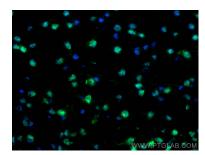
IP result of anti-TDP-43 (C-terminal) (IP:12892-1-AP, 3ug; Detection:12892-1-AP 1:1000) with HeLa cells lysate 3000ug.



1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human TDP-43 (C-terminal) (12892-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit 1gG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunohistochemical analysis of paraffinembedded rat brain tissue slide using 12892-1-AP (TDP-43 (C-terminal) antibody) at dilution of 1:2000 (under 10x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis ofun-fixed frozen OCT-embedded mouse brain tissue using TDP-43 (C-terminal) antibody (12892-1-AP) at dilution of 1:400 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).