For Research Use Only

Prion protein PrP/CD230 Polyclonal antibody

Catalog Number:12555-1-AP

8 Publications



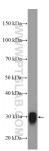
Basic Information	Catalog Number: 12555-1-AP	GenBank Accession BC022532	Number:	Purification Method: Antigen affinity purification
	Size:	GenelD (NCBI):		Recommended Dilutions:
	150ul , Concentration: 500 ug/ml by	5621		WB: 1:500-1:2000
	Nanodrop;	UNIPROT ID:		IP: 0.5-4.0 ug for 1.0-3.0 mg of total
	Source:	P04156		protein lysate
	Rabbit	Full Name:		IHC: 1:20-1:200
	Isotype:	prion protein		
	IgG	Calculated MW:		
	Immunogen Catalog Number:	34 kDa		
	AG3257	Observed MW: 30 kDa		
Applications	Tested Applications:		Positive Cont	trols:
	WB, IHC, IP, ELISA	WB : mouse b		rain tissue, human brain tissue, rat brai
	Cited Applications:		tissue	
	WB, IHC, IP, CoIP	IP : mouse brain tissue,		ain tissue,
	Species Specificity:		IHC · human	gliomas tissue,
	human, mouse, rat			Stories assec,
	Cited Species:			
	human, mouse, rat			
	Note-IHC: suggested antig with TE buffer pH 9.0; (*) A antigen retrieval may be p with citrate buffer pH 6.0	Alternatively, performed		
Background Information	Prion protein (PRNP) is a ubiquitous membrane glycoprotein whose abnormal self-replicating, misfolded form is widely believed to cause several central nervous system disorders, collectively known as Transmissible Spongiform Encephalopathies (TSE). Prion diseases are TSEs, attributed to conformational conversion of the cellular prion protein (PrPC) into an abnormal conformer that accumulates in the brain. The two isoforms, PrPC and PrPS, have the same primary amino acid sequence and only differ in conformation. While PrPC is composed of 42% a-helix and only 3% β -sheet, PrPS is composed of 30% a-helix and 43% β -sheet. PrPC converts to its pathogenic isoform when the region corresponding to the residues 108-144 fold into β -sheets. PrPC is very soluble in detergents and easily digested by proteases while the PrPSc is insoluble in detergents and resistant to protease digestion. Prior diseases exist in infectious, sporadic, and genetic forms.			
Notable Publications	Author Put	omed ID Jour	nal	Application
	Frank F Heisler 301	174115 Neur	on	WB,IP
			t Mol Biosci	IHC
			sfusion	WB
Storage	Storage: Store at -20°C. Stable for one year af Storage Buffer: PBS with 0.02% sodium azide and 50			
	Aliquoting is unnecessary for -20° C s	•••		
*** 20ul sizes contain 0.1%BSA				
For technical support and original validation dat T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free	ata for this product please contact: E: proteintech@ptglab.com		This product is exclusively available under Proteinte Group brand and is not available to purchase from a	

in USA), or 1(312) 455-8498 (outside USA)

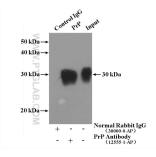
L. proterntecn@ptgl W: ptglab.com

other manufacturer.

Selected Validation Data



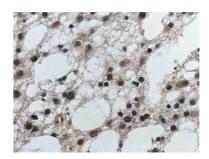
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12555-1-AP (PrP Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-PrP (IP:12555-1-AP, 4ug; Detection:12555-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 12555-1-AP (PrP Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 12555-1-AP (PrP Antibody) at dilution of 1:200 (under 40x lens).