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## PrP Polyclonal antibody

Catalog Number:12555-1-AP 5 Publications



Basic Information	Catalog Number: 12555-1-AP	GenBank Accession Number: BC022532	Purification Method: Antigen affinity purification					
	Size:	GenelD (NCBI):	Recommended Dilutions:					
	150ul , Concentration: 500 µg/ml by Nanodrop;		WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total					
	Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG3257	Full Name: prion protein Calculated MW: 34 kDa Observed MW: 30 kDa	protein lysate IHC 1:20-1:200					
				Applications	Tested Applications:	Positive Controls:		
					FC, IHC, IP, WB, ELISA Cited Applications:		WB : mouse brain tissue, human brain tissue, rat brai tissue	
					CoIP, IHC, IP, WB		IP : mouse brain tissue,	
Species Specificity: human, mouse, rat		iman gliomas tissue,						
Cited Species: human, mouse								
Note-IHC: suggested antigen TE buffer pH 9.0; (*) Alternati retrieval may be performed w	vely, antigen							
	buffer pH 6.0							
Background Informatior	Prion protein (PRNP) is a ubiquitous widely believed to cause several ce Spongiform Encephalopathies (TSE) prion protein (PrPC) into an abnorma have the same primary amino acid s helix and only 3% β-sheet, PrPSc is o isoform when the region correspond	ntral nervous system disorders, co Prion diseases are TSEs, attribut I conformer that accumulates in equence and only differ in confor composed of 30% a-helix and 43° ing to the residues 108-144 fold i ile the PrPSc is insoluble in deter	bnormal self-replicating, misfolded form is ollectively known as Transmissible ed to conformational conversion of the cellul the brain. The two isoforms, PrPC and PrPS, rmation. While PrPC is composed of 42% α- % β-sheet. PrPC converts to its pathogenic nto β-sheets. PrPC is very soluble in detergen rgents and resistant to protease digestion. Pri-					
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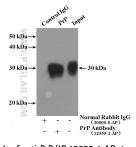
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## Selected Validation Data



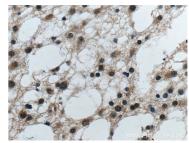
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12555-1-AP (PrP Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



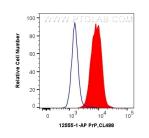
IP Result of anti-PrP (IP:12555-1-AP, 4ug; Detection:12555-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



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).



1X10^6 SH-SY5Y cells were intracellularly stained with 0.4 ug Anti-Human PrP (12555-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit 1gG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).