For Research Use Only

SOD1 Polyclonal antibody

Catalog Number:10269-1-AP

Featured Product



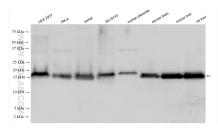


Basic Information	Catalog Number: 10269-1-AP	GenBank Accession Nu BC001034	Imber:	Purification Method: Antigen affinity purification	
	Size:	GeneID (NCBI):		Recommended Dilutions:	
	150ul , Concentration: 1000 ug/ml by	6647		WB 1:5000-1:50000	
	Nanodrop;	UNIPROT ID:		IP 0.5-4.0 ug for 1.0-3.0 mg of total	
	Source:	P00441		protein lysate	
	Rabbit	Full Name:		IHC 1:300-1:1200 IF-P 1:50-1:500	
	lsotype:	superoxide dismutase 1, soluble		IF/ICC 1:200-1:800	
	IgG	Calculated MW: 16 kDa			
	Immunogen Catalog Number: AG0335				
		Observed MW: 16-20 kDa			
Applications			Positive Cont	rols:	
	WB, IHC, IF/ICC, IF-P, IP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP, ELISA		WB : HEK-293T cells, HeLa cells, HEK-293 cells, Jurka cells, SH-SY5Y cells, human placenta tissue, mouse brain tissue, mouse liver tissue, rat liver tissue		
					Species Specificity:
	human, mouse, rat		IHC : human liver cancer tissue, human colon tissue,		
			human heart	uman heart tissue	
	human, mouse, rat, pig, canine, chicken, bovine, goat Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0		IF-P : mouse brain tissue, IF/ICC : HEK-293 cells, HeLa cells		
	Background Information	buffer pH 6.0 The enzymatic function of Cu/Zn Sup first characterized in 1969 (PMID: 538 work has uncovered additional roles	eroxide Dismutase (SO 19100). SOD1 is commor in modulating metaboli D1 is best-known for its SOD1 is overexpressed	nly known for i ism, maintaini role in a famil in numerous c	ts ROS scavenging activity, but recent ng redox balance, and regulating ial form of amyotrophic lateral scleros ancer types, including lung
	buffer pH 6.0 The enzymatic function of Cu/Zn Sup first characterized in 1969 (PMID: 538 work has uncovered additional roles transcription. In disease contexts, SO (fALS) (PMID: 10630188). In addition, adenocarcinoma, non-small-cell lung	eroxide Dismutase (SO 19100). SOD1 is commor in modulating metaboli D1 is best-known for its SOD1 is overexpressed	nly known for i ism, maintaini role in a famil in numerous c mary breast ca	ial form of amyotrophic lateral scleros ancer types, including lung	
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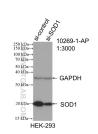
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.com

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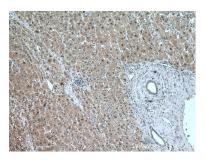
Selected Validation Data



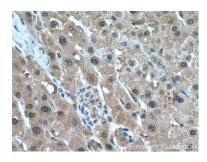
Various lysates were subjected to SDS PAGE followed by western blot with 10269-1-AP (SOD1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



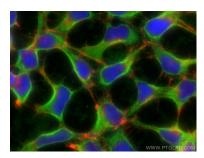
WB result of SOD1 antibody (10269-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SOD1 transfected HEK-293 cells.



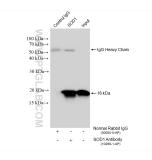
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 10269-1-AP (SOD1 antibody) at dilution of 1:600 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



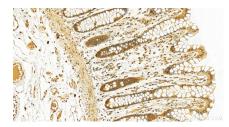
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 10269-1-AP (SOD1 antibody) at dilution of 1:600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using SOD1 antibody (10269-1-AP) at dilution of 1:400 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP result of anti-SOD1 (IP:10269-1-AP, 4ug; Detection:10269-1-AP 1:6000) with HEK-293 cells lysate 1470 ug.



Immunohistochemical analysis of paraffinembedded human colon tissue slide using 10269-1-AP (SOD1 antibody) at dilution of 1:3000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using SOD1 antibody (10269-1-AP) at dilution of 1:200 and Multi-rAb Coralite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).