For Research Use Only

PRODH Polyclonal antibody Catalog Number: 22980-1-AP Featured Product 1

Featured Product 15 Publications

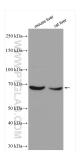


Basic Information	Catalog Number: 22980-1-AP	GenBank Accession Number: BC118597	Purification Method: Antigen affinity purification	
	Size: 150ul, Concentration: 600 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG18429	GeneID (NCBI): 5625 UNIPROT ID: 043272 Full Name: proline dehydrogenase (oxida Calculated MW: 600 aa, 68 kDa	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:20-1:200	
		Observed MW: 56 kDa, 66 kDa		
Applications	Tested Applications: Positive Controls:		ve Controls:	
	WB, IHC, ELISA	WB : mouse liver tissue, A549 cells, rat liver tissue IHC : human cerebellum tissue, human liver cancer tissue, human breast cancer tissue, human skeletal		
	Cited Applications: WB, IHC, IF			
	Species Specificity: human, mouse, rat	muscle	muscle tissue	
	Cited Species: human, mouse, rat			
	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	TP53I6 and belongs to the proline ox across the mitochondrial membrane (P5C). High PRODH activity is sufficient Defects in PRODH are the cause of hy	idase family. It is an oxidoredu and catalyzes the rate-limiting ent to induce mitochondria-mec perprolinemia type 1 (HP-1) an 4 (SCZD4). This protein has 3 isc	oxidation of proline to pyrroline- 5-carboxyla diated apoptosis in the presence of proline. d defects in PRODH are associated with	
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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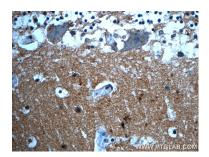
Selected Validation Data



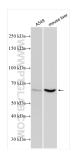
Various lysates were subjected to SDS PAGE followed by western blot with 22980-1-AP (PRODH antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.

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Immunohistochemical analysis of paraffinembedded human cerebellum slide using 22980-1-AP (PRODH Antibody) at dilution of 1:50(under 10x lens).



Immunohistochemical analysis of paraffinembedded human cerebellum slide using 22980-1-AP (PRODH Antibody) at dilution of 1:50(under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 22980-1-AP (PRODH antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.