

For Research Use Only

Presenilin-1-Specific Polyclonal antibody, PBS Only

Catalog Number: 16163-1-PBS

Featured Product



Basic Information

Catalog Number:	16163-1-PBS	GenBank Accession Number:	NM_000021	Purification Method:
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	5663	Antigen affinity purification
Source:	Rabbit	UNIPROT ID:	P49768	
Isotype:	IgG	Full Name:	presenilin 1	
		Calculated MW:	53 kDa	
		Observed MW:	21 kDa, 53 kDa	

Applications

Tested Applications:
WB, IHC, IP, Indirect ELISA

Species Specificity:
human, mouse, rat, monkey

Background Information

PSEN1(presenilin-1) is also named as AD3, PS1, PSNL1 and belongs to the peptidase A22A family. It directly influences Netrin/DCC signaling with cell type precision and spatiotemporal specificity, and is a key neural circuit builder that gates the spatiotemporal pattern of guidance signaling, thereby ensuring neural projections occur with high fidelity (PMID:21215373). The 46-kDa PSEN1 holoprotein is cleaved into a D30-kDa N-terminal fragment (NTF) and a D20-kDa C-terminal fragment (CTF) by the 26S proteasome (PMID:10527805). It has 7 isoforms produced by alternative splicing. This antibody is specific to isoform1(53 kDa), isoform2(52 kDa), isoform4(21 kDa), isoform7(49 kDa) of this protein.

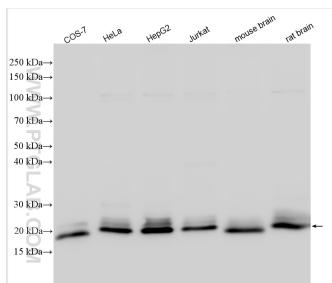
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

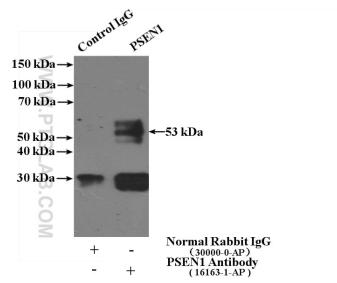
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

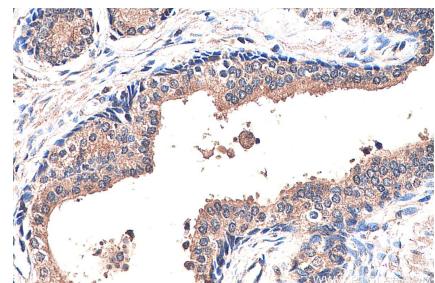
Selected Validation Data



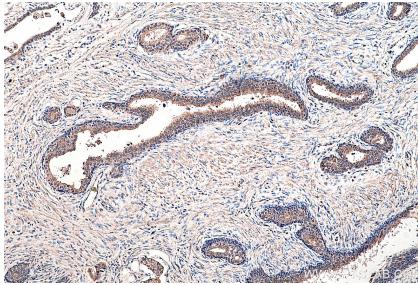
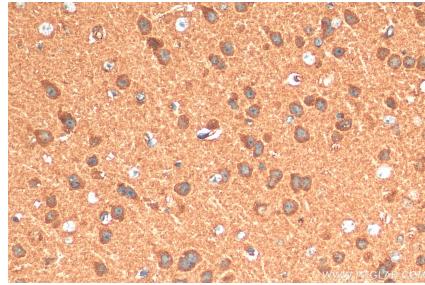
Various lysates were subjected to SDS PAGE followed by western blot with 16163-1-AP (Presenilin-1-Specific antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16163-1-PBS in a different storage buffer formulation.



IP result of anti-Presenilin-1-Specific (IP:16163-1-AP, 4ug; Detection:16163-1-AP 1:1000) with mouse kidney tissue lysate 4000ug. This data was developed using the same antibody clone with 16163-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 16163-1-AP (Presenilin-1-Specific antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16163-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16163-1-AP (Presenilin-1-Specific antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16163-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 16163-1-AP (Presenilin-1-Specific antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16163-1-PBS in a different storage buffer formulation.