

For Research Use Only

Presenilin-1-Specific Recombinant monoclonal antibody

Catalog Number: 83618-5-RR



Basic Information

Catalog Number:	83618-5-RR	GenBank Accession Number:	BC011729	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	5663	CloneNo.:	250834G3
Source:	Rabbit	UNIPROT ID:	P49768	Recommended Dilutions:	WB: 1:1000-1:6000 IF/ICC: 1:200-1:800
Isotype:	IgG	Full Name:	presenilin 1		
		Calculated MW:	467 aa, 53 kDa		
		Observed MW:	21 kDa, 53 kDa		

Applications

Tested Applications:	WB, IF/ICC, ELISA	Positive Controls:	
Species Specificity:	human, mouse, rat, monkey	WB:	HeLa cells, HepG2 cells, Jurkat cells, Caco-2 cells, COS-7 cells, mouse brain tissue, rat brain tissue

IF/ICC: Jurkat cells,

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

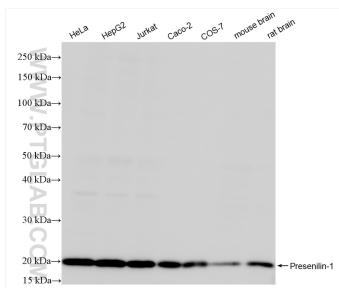
Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

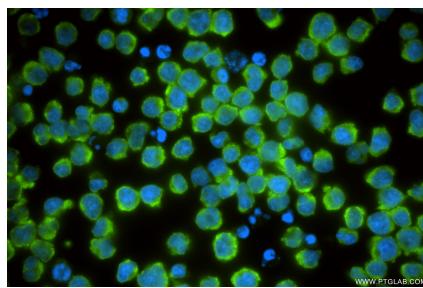
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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 83618-5-RR (Presenilin-1-Specific antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using Presenilin-1-Specific antibody (83618-5-RR, Clone: 250834G3) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).