

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;	GeneID (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

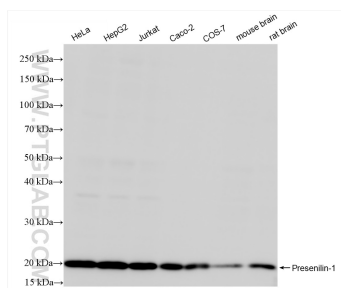
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

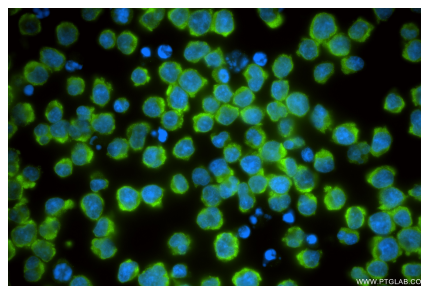
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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).