

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
Source:	Rabbit	GenID (NCBI):	5663	CloneNo.:	250834G3
Isotype:	IgG	UNIPROT ID:	P49768	Recommended Dilutions:	WB: 1:1000-1:6000 IF/ICC: 1:200-1:800
		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

For technical support and original validation data for this product please contact:

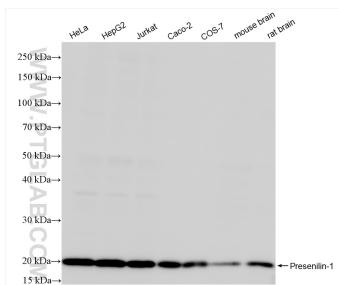
T: 4006900926

E: Proteintech-CN@ptglab.com

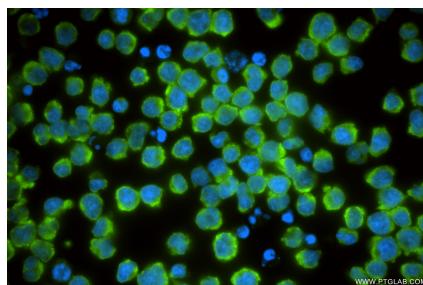
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## Selected Validation Data



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).