

For Research Use Only

# Presenilin-1-Specific Recombinant monoclonal antibody, PBS Only

Catalog Number: 83618-5-PBS



## Basic Information

Catalog Number:	83618-5-PBS	GenBank Accession Number:	BC011729	Purification Method:	Protein A purification
Size:	1000ug, Concentration: 1 mg/ml by Nanodrop;	GenelD (NCBI):	5663	CloneNo.:	250834G3
Source:	Rabbit	UNIPROT ID:	P49768	Full Name:	presenilin 1
Isotype:	IgG	Calculated MW:	467 aa, 53 kDa	Observed MW:	21 kDa, 53 kDa

## Applications

Tested Applications:  
WB, IF/ICC, 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.

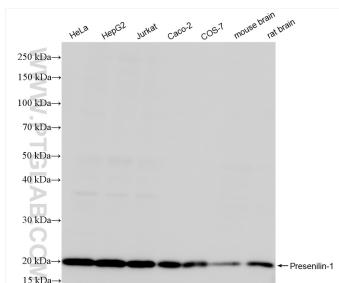
## Storage

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

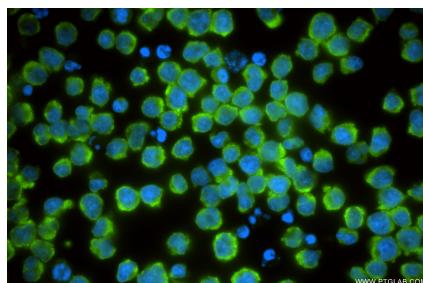
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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W: ptglab.com

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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. This data was developed using the same antibody clone with 83618-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83618-5-PBS in a different storage buffer formulation.