

For Research Use Only

Presenilin-1-Specific Recombinant monoclonal antibody

Catalog Number:83618-5-RR



Basic Information

Catalog Number:

83618-5-RR

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC011729

GeneID (NCBI):

5663

UNIPROT ID:

P49768

Full Name:

presenilin 1

Calculated MW:

467 aa, 53 kDa

Observed MW:

21 kDa, 53 kDa

Purification Method:

Protein A purification

CloneNo.:

250834G3

Recommended Dilutions:

WB: 1:1000-1:6000

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat, monkey

Positive Controls:

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:

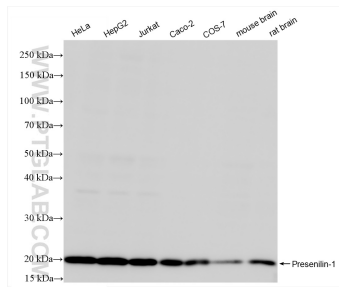
T: 4006900926

E: Proteintech-CN@ptglab.com

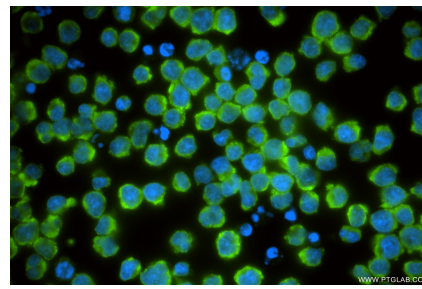
W: ptgcn.com

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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).