

# PSEN1 Polyclonal antibody

Catalog Number: 20434-1-AP

1 Publications

## Basic Information

## Catalog Number:

20434-1-AP

## Size:

287 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG14135

## GenBank Accession Number:

BC011729

## GeneID (NCBI):

5663

## UNIPROT ID:

P49768

## Full Name:

presenilin 1

## Calculated MW:

467 aa, 53 kDa

## Observed MW:

18 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

IHC 1:50-1:200

IF/ICC 1:50-1:500

## Applications

## Tested Applications:

IF/ICC, IF-P, IHC, ELISA

## Cited Applications:

IF

## Species Specificity:

human, mouse

## Cited Species:

mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

IHC : human gliomas tissue, mouse brain tissue

IF/ICC : mouse brain tissue, HEK-293 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 ~30-kDa N-terminal fragment (NTF) and a ~20-kDa C-terminal fragment (CTF) by the 26S proteasome(PMID:10527805). It has 7 isoforms produced by alternative splicing. This antibody can recognize all the isoforms except isoform 4 (21 kDa).

## Notable Publications

Author	Pubmed ID	Journal	Application
Zequn Yin	33328962	Front Aging Neurosci	IF

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

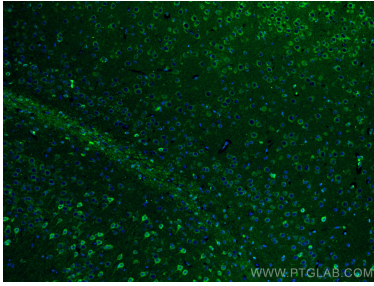
For technical support and original validation data for this product please contact:

T: 4006900926

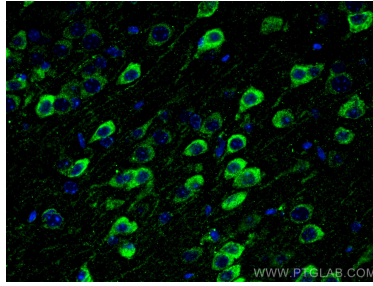
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

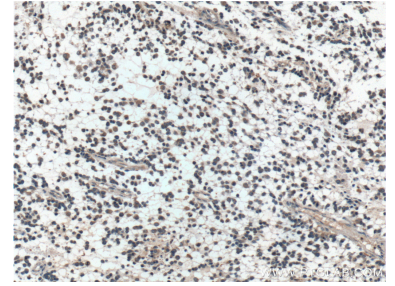
## Selected Validation Data



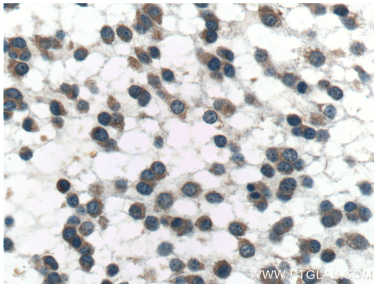
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using PSEN1 antibody (20434-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 20434-1-AP (PSEN1 Antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 20434-1-AP (PSEN1 Antibody) at dilution of 1:100 (under 40x lens).