

PSEN1 Polyclonal antibody

Catalog Number: 20434-1-AP

1 Publications

Basic Information

Catalog Number: 20434-1-AP	GenBank Accession Number: BC011729	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 287 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5663	Recommended Dilutions: IHC 1:50-1:200 IF 1:50-1:500
Source: Rabbit	Full Name: presenilin 1	
Isotype: IgG	Calculated MW: 467 aa, 53 kDa	
Immunogen Catalog Number: AG14135	Observed MW: 18 kDa	

Applications

Tested Applications: IF, IHC, ELISA	Positive Controls:
Cited Applications: IF	IHC : human gliomas tissue, mouse brain tissue
Species Specificity: human, mouse	IF : mouse brain tissue, HEK-293 cells
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

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

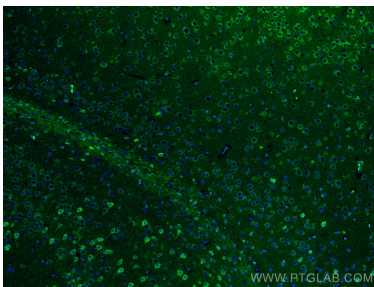
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

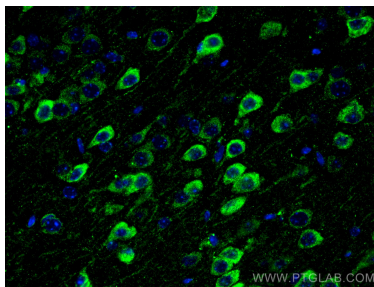
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

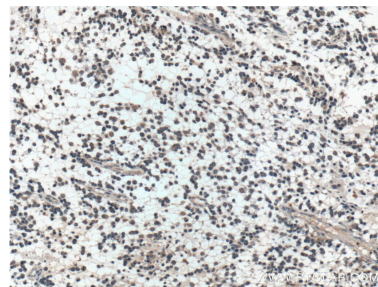
Selected Validation Data



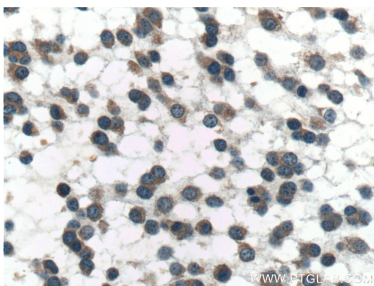
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using PSEN1 antibody (20434-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).



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).