

For Research Use Only

# Presenilin-1-Specific Polyclonal antibody, PBS Only

Catalog Number: 16163-1-PBS

Featured Product



## Basic Information

Catalog Number:

16163-1-PBS

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000021

GeneID (NCBI):

5663

UNIPROT ID:

P49768

Full Name:

presenilin 1

Calculated MW:

53 kDa

Observed MW:

21 kDa, 53 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IP, 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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

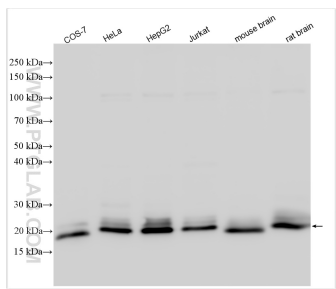
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

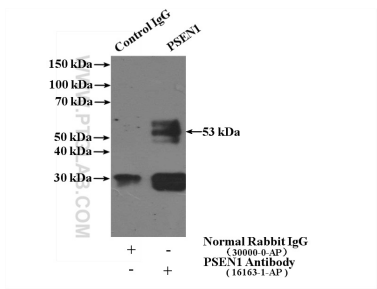
W: [ptgcn.com](http://ptgcn.com)

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

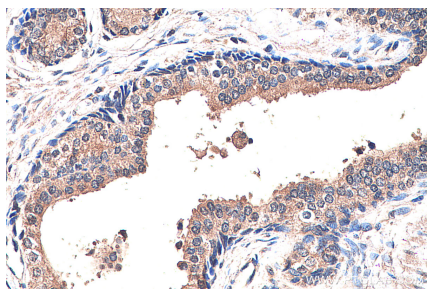
Selected Validation Data



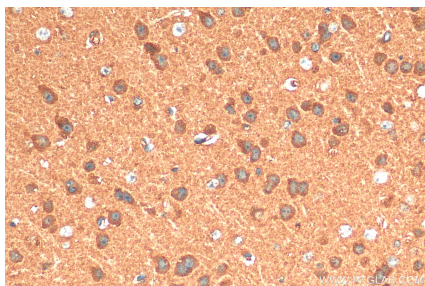
Various lysates were subjected to SDS PAGE followed by western blot with 16163-1-AP (Presenilin-1-Specific antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16163-1-PBS in a different storage buffer formulation.



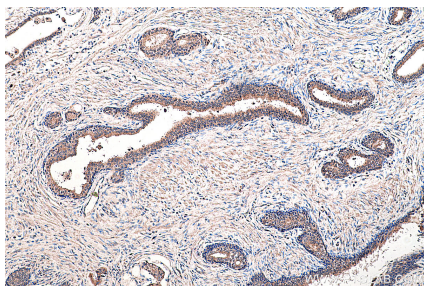
IP result of anti-Presenilin-1-Specific (IP:16163-1-AP, 4ug; Detection:16163-1-AP 1:1000) with mouse kidney tissue lysate 4000ug. This data was developed using the same antibody clone with 16163-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 16163-1-AP (Presenilin-1-Specific antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16163-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16163-1-AP (Presenilin-1-Specific antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16163-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 16163-1-AP (Presenilin-1-Specific antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16163-1-PBS in a different storage buffer formulation.