

For Research Use Only

# PSEN2-Specific Polyclonal antibody



Catalog Number: 16168-1-AP

Featured Product

1 Publications

## Basic Information

<b>Catalog Number:</b> 16168-1-AP	<b>GenBank Accession Number:</b> NM_000447	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5664	<b>Recommended Dilutions:</b> WB 1:300-1:800 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> presenilin 2 (Alzheimer disease 4)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 50 kDa	
	<b>Observed MW:</b> 55-60 kDa	

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
human, mouse, rat

**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:**

**WB :** C6 cells, A549 cells, NIH/3T3 cells

**IHC :** human kidney tissue, human placenta tissue, human colon tissue, mouse brain tissue, human breast cancer tissue

## Background Information

Presenilins can regulate APP processing through their effects on gamma-secretase, an enzyme that cleaves APP. These transmembrane proteins are considered to be involved in early onset of Alzheimer's disease. Presenilin 2 mainly localizes in large neurons. It exists in a heterodimeric complex formed from the endoproteolytically processed amino-terminal (34 kDa) and carboxy-terminal (about 23 kDa) fragments. This antibody is specific to presenilin 2. It will not bind presenilin 1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jinghua Jin	36683147	Gut Microbes	WB

## 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

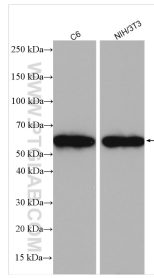
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

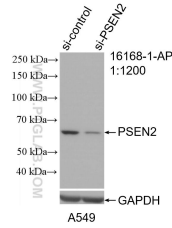
E: proteintech@ptglab.com  
W: ptglab.com

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

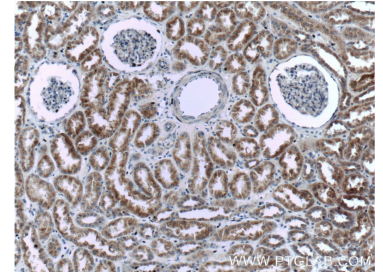
## Selected Validation Data



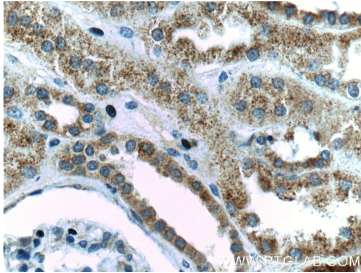
Various lysates were subjected to SDS PAGE followed by western blot with 16168-1-AP (PSEN2-Specific antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



WB result of PSEN2-Specific antibody (16168-1-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-PSEN2-Specific transfected A549 cells.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 16168-1-AP (PSEN2-Specific Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 16168-1-AP (PSEN2-Specific Antibody) at dilution of 1:200 (under 40x lens).