

For Research Use Only

# PSENEN Polyclonal antibody

Catalog Number: 16144-1-AP



## Basic Information

Catalog Number: 16144-1-AP	GenBank Accession Number: BC009575	Purification Method: Antigen affinity purification
Concentration: 750 ug/ml	GeneID (NCBI): 55851	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NZ42	
Isotype: IgG	Full Name: presenilin enhancer 2 homolog (C. elegans)	
Immunogen Catalog Number: AG9243	Calculated MW: 101 aa, 12 kDa	
	Observed MW: 12 kDa	

## Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : A549 cells, Neuro-2a cells, mouse lung tissue, rat spleen tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	IHC : mouse brain tissue,

## Background Information

PSENEN, also named PEN2, is a component of the gamma-secretase complex, which also includes presenilin (PSEN1) and nicastrin (NCSTN). The gamma-secretase complex is required for the intramembrane proteolysis of a number of membrane proteins, including the amyloid-beta precursor protein (APP) and Notch. PSENEN is required for Notch pathway signaling, and for the activity and accumulation of gamma-secretase. Mutations resulting in haploinsufficiency for this gene cause familial acne inversa-2 (ACNINV2).

## 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:

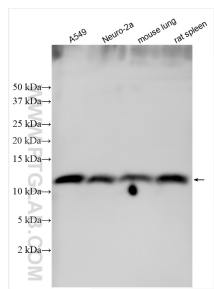
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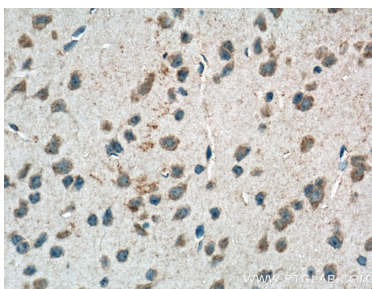
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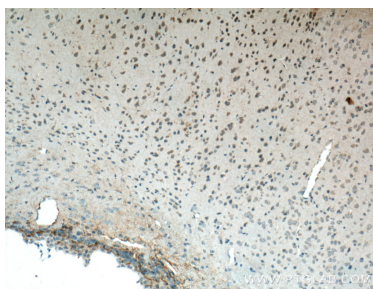
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16144-1-AP (PSENEN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16144-1-AP (PSENEN Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16144-1-AP (PSENEN Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).