

Rabbit PSEN1 Polyclonal Antibody | anti-PSEN1 antibody

PSEN1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23585	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Immunohistochemistry, Immunoprecipitation, Western Blot

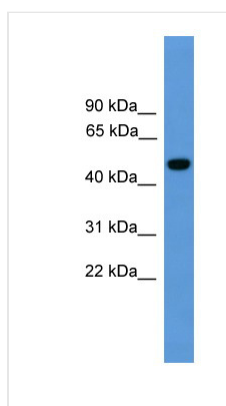
PRODUCT SYNONYMS

PSEN1; Polyclonal Antibody; PSEN1 antibody - middle region; anti-PSEN1 antibody

PRODUCT SPECIFICATIONS

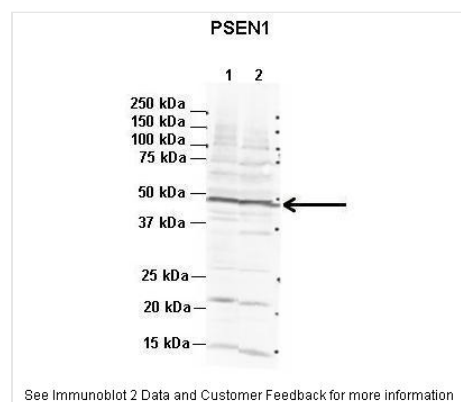
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide located within the following region: EG DPEAQRVSK NSKYNAESTE RESQDTVAEN DDGGFSEWE AQRDSHLG
Sequence Length	467
Applicable Applications for anti-PSEN1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Homology	Cow: 86%; Dog: 86%; Guinea Pig: 100%; Horse: 86%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PSEN1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



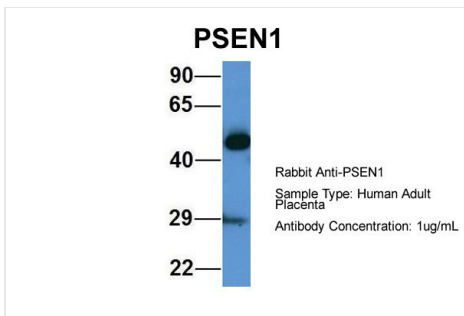
WB (Western Blot)

WB Suggested Anti-PSEN1 Antibody Titration: 0.2-1 ug/mL
 ELISA Titer: 1:31250
 Positive Control: Human brain



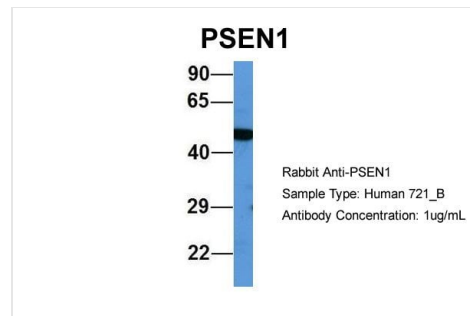
WB (Western Blot)

Lanes: 1. Mouse WT brain extract (80ug) 2. Rat brain extract (80ug)
 Primary Antibody Dilution: 2ug/mL
 Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR
 Bioscience
 Secondary Antibody Dilution: 1: 20,000
 Gene Name: PSEN1
 Submitted by: Dr. Yuzhi Chen, University of Arkansas for Medical Science



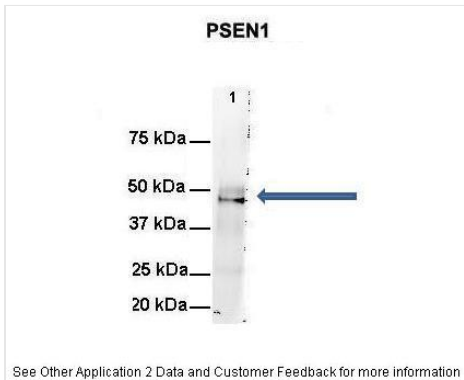
WB (Western Blot)

Host: RabbitTarget Name: PSEN1Sample Type: Human Adult PlacentaAntibody Dilution: 1.0ug/ml



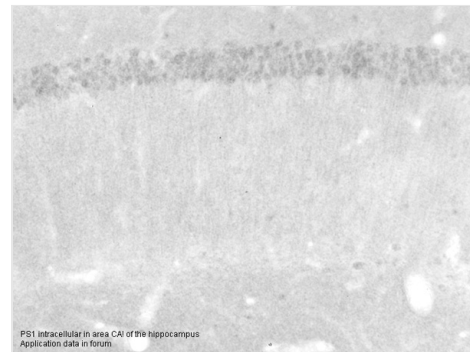
WB (Western Blot)

Host: RabbitTarget Name: PSEN1Sample Type: Human 721_BAntibody Dilution: 1.0ug/mlPSEN1 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



IP (Immunoprecipitation)

Sample Type: Mouse brainAmount and Sample Type :500 ug mouse brain homogenateAmount of IP Antibody :6 ugPrimary Antibody :PSEN1Primary Antibody Dilution :1:500Secondary Antibody :Goat anti-rabbit Alexa-Fluor 594Secondary Antibody Dilution :1:5000Gene Name :PSEN1Submitted by :Dr. Yuzhi Chen, University of Arkansas for Medical Science



IHC (Immunohistochemistry)

The PSEN1 antibody (#ARP58941) works fine in 4% paraformaldehyde fixed tissue sections (30 um), they were cut on a sliding, freezing microtome. We stained it overnight 1:500 followed with a biotinylated secondary, followed by an Avidin/peroxidase tertiary antibody, final staining with metal-intensified DAB. Similarly, both LRP antibodies (#ARP58562 &ARP58563) work fine (stain appropriately) with this procedure. We are still evaluating the BACE1 antibody, it seems to work, too. -Dr. Thomas van Groen

ADDITIONAL INFORMATION

Related Product Information for anti-PSEN1 antibody	This is a rabbit polyclonal antibody against PSEN1. It was validated on Western Blot Target Description: Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the presenilin proteins (PSEN1; PSEN2) or in the amyloid precursor protein (APP). These disease-linked mutations result in increased production of the longer form of amyloid-beta (main component of amyloid deposits found in AD brains). Presenilins are postulated to regulate APP processing through their effects on gamma-secretase, an enzyme that cleaves APP. Also, it is thought that the presenilins are involved in the cleavage of the Notch receptor, such that they either directly regulate gamma-secretase activity or themselves are protease enzymes. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene, the full-length nature of only some have been determined.
Product Categories/Family for anti-PSEN1 antibody	Polyclonal; Membrane Protein; Transcription Regulation; Drugs and Drug Metabolism; Cell Biology; Chromatin & Nuclear Signaling; Membrane & Traffic; Disease Related; Immunohistochemistry; Autophagy; Glycosylation; Phosphorylation; Transcription Factors; Ce

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506163
NCBI GeneID	5663
NCBI Accession #	NP_000012
NCBI GenBank Nucleotide #	NM_000021
UniProt Accession #	P49768

Molecular Weight	53kDa
NCBI Official Full Name	presenilin-1 isoform I-467
NCBI Official Synonym Full Names	presenilin 1
NCBI Official Symbol	PSEN1
NCBI Official Synonym Symbols	AD3; FAD; PS1; PS-1; S182; ACNINV3
NCBI Protein Information	presenilin-1
UniProt Protein Name	Presenilin-1
UniProt Gene Name	PSEN1
UniProt Synonym Gene Names	AD3; PS1; PSNL1; PS-1; PS1-CTF12
UniProt Entry Name	PSN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/psen1-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/23585>