

Rabbit PSEN2 Polyclonal Antibody | anti-PSEN2 antibody

PSEN2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327331	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

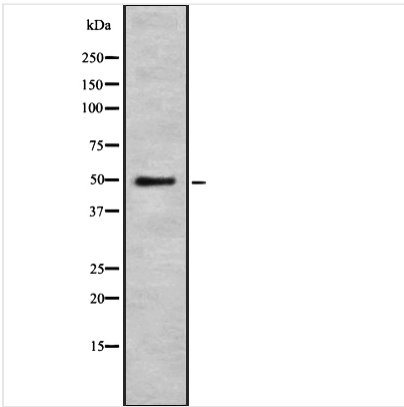
PRODUCT SYNONYMS

PSEN2; Polyclonal Antibody; PSEN2 Antibody; AD3L; AD3LP; AD4; AD5; Alzheimer disease 4; CMD1V; E5-1; OTTHUMP00000035671; OTTHUMP00000035672; OTTHUMP00000228286; OTTHUMP00000228288; Presenilin 2 (Alzheimer disease 4); Presenilin 2; Presenilin-2 CTF subunit; PS-2; PS2; Psen2; PSN2_HUMAN; PSNL2; STM-2; STM2; anti-PSEN2 antibody

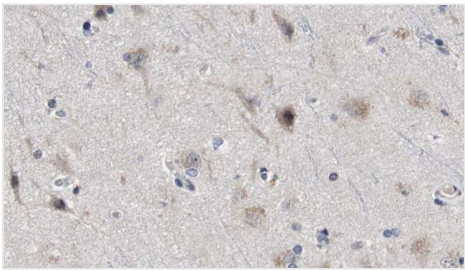
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PSEN2 antibody detects endogenous levels of total PSEN2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	448
Applicable Applications for anti-PSEN2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PSEN2
Subcellular Location	Endoplasmic Reticulum Membrane. Golgi Apparatus Membrane.
Tissue Specificity	Isoform 1 is seen in the placenta, skeletal muscle and heart while isoform 2 is seen in the heart, brain, placenta, liver, skeletal muscle and kidney.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of PSEN2 using HuvEc whole lysates.



IHC (Immunohistochemistry)
AAA327331 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PSEN2 antibody	Function: Probable catalytic subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (amyloid-beta precursor protein). Requires the other members of the gamma-secretase complex to have a protease activity. May play a role in intracellular signaling and gene expression or in linking chromatin to the nuclear membrane. May function in the cytoplasmic partitioning of proteins. Subunit Structure: Interacts with DOCK3 (By similarity). Homodimer. Component of the gamma-secretase complex, a complex composed of a presenilin homodimer (PSEN1 or PSEN2), nicastrin (NCSTN), APh1 (APH1A or APH1B) and PEN2. Such minimal complex is sufficient for secretase activity, although other components may exist. Interacts with HERPUD1, FLNA, FLNB and PARL. Post-translational Modifications: Heterogeneous proteolytic processing generates N-terminal and C-terminal fragments. Phosphorylated on serine residues. Similarity: The PAL motif is required for normal active site conformation. Belongs to the peptidase A22A family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156105679
NCBI GeneID	5664
NCBI Accession #	NP_000438.2
NCBI GenBank Nucleotide #	NM_000447.2
UniProt Accession #	P49810; Q96P32; A8K8D4; B1AP21
Molecular Weight	Observed: 50 kDa Predicted: 51 kDa
NCBI Official Full Name	presenilin-2 isoform 1
NCBI Official Synonym Full Names	presenilin 2
NCBI Official Symbol	PSEN2
NCBI Official Synonym Symbols	AD4; PS2; AD3L; STM2; CMD1V
NCBI Protein Information	presenilin-2
UniProt Protein Name	Presenilin-2
UniProt Gene Name	PSEN2
UniProt Synonym Gene Names	AD4; PS2; PSNL2; STM2; PS-2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/psen2-antibody-immunohistochemistry-western-blot-elisa/327331>