

Rabbit Presenilin1 Polyclonal Antibody | anti-PSEN1 antibody

Presenilin1 Antibody

CATALOG # AAA40370	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

Presenilin1; Polyclonal Antibody; Presenilin1 Antibody; AD3; FAD; PS1; PS-1; S182; PSNL1; Presenilin-1; Protein S182; presenilin 1; anti-PSEN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Presenilin1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	467
Applicable Applications for anti-PSEN1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Presenilin1 antibody was raised against a 23 amino acid synthetic peptide from near the carboxy terminus of human presenilin1.
Buffer	Presenilin1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Presenilin1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



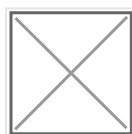
IF (Immunofluorescence)

Immunofluorescence of Presenilin1 in Human Brain cells with Presenilin1 antibody at 20 &#956;g/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of Presenilin1 in human brain tissue with Presenilin1 antibody at 2.5 &#956;g/mL.



WB (Western Blot)

Western blot analysis of presenilin1 in human brain lysate with presenilin1 antibody at (A) 0.5, (B) 1, and (C) 2 &#956;g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PSEN1 antibody	Presenilin1 Antibody: Presenilin1 was initially identified a marker of susceptibility to early-onset Alzheimer's disease. In addition to PEN2, nicastrin and APH-1, Presenilin1 forms the gamma-secretase protein complex, a membrane-bound aspartyl protease that can cleave certain proteins at peptide bonds buried within the hydrophobic environment of the lipid bilayer. This cleavage is responsible for a key step in signaling from several cell-surface receptors and is thought to be required for the generation of the neurotoxic amyloid peptides that are central to the pathogenesis of Alzheimer's disease. Like the tumor necrosis factor-alpha-converting enzyme (TACE) and the beta-site cleavage enzyme (BACE) protease families, gamma-secretase will cleave the amyloid precursor protein (APP), but within the intramembrane region of APP, resulting in either the non-toxic p3 (from the alpha and gamma cleavage site) or the toxic Abeta amyloid peptide (from the beta and gamma cleavage site). It is thought that accumulation of the Abeta peptide is the precursor to Alzheimer's disease. Multiple isoforms of presenilin1 are known to exist. This antibody has no cross-reactivity to presenilin2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506163
NCBI GeneID	5663
NCBI Accession #	NP_000012
NCBI GenBank Nucleotide #	NM_000021.3
UniProt Accession #	P49768; O95465; Q14762; Q15719; Q15720; Q96P33; Q9UIF0; B2R6D3
Molecular Weight	48,997 Da
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
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://stage.aaabiotech.com/polyclonal/presenilin1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40370>