

Rabbit PEN2 Polyclonal Antibody | anti-PEN2 antibody

PEN2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305024	Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot, ELISA

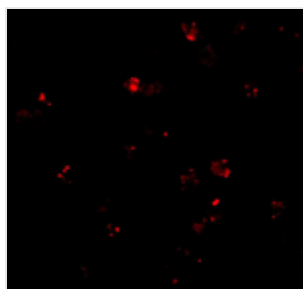
PRODUCT SYNONYMS

PEN2; Polyclonal Antibody; PEN2 Antibody; Presenilin enhancer protein 2; Gamma-secretase subunit PEN-2; anti-PEN2 antibody

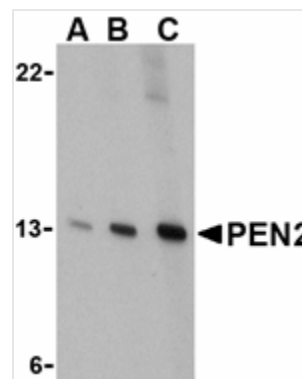
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	101
Applicable Applications for anti-PEN2 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 13 amino acid peptide from near the carboxy terminus of human PEN2.
Target Name	PEN2
Preparation and Storage	Can be stored at -20 degree C, stable for 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 PEN2 in K562 cells with PEN2 antibody at 20 ug/mL.


WB (Western Blot)

Western blot analysis of PEN2 in K562 cell lysate with PEN2 antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PEN2 antibody	PEN2, in addition to presenilin, nicastrin, and APH-1 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.
Product Categories/Family for anti-PEN2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	28144920
NCBI GeneID	55851
NCBI Accession #	NP_758844
NCBI GenBank Nucleotide #	NM_172341.2
Molecular Weight	12,029 Da
NCBI Official Full Name	gamma-secretase subunit PEN-2
NCBI Official Synonym Full Names	presenilin enhancer gamma secretase subunit
NCBI Official Symbol	PSENEN
NCBI Official Synonym Symbols	PEN2; PEN-2; MDS033; MSTP064
NCBI Protein Information	gamma-secretase subunit PEN-2
UniProt Protein Name	Gamma-secretase subunit PEN-2
UniProt Gene Name	PSENEN
UniProt Synonym Gene Names	PEN2
UniProt Entry Name	PEN2_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/pen2-antibody-immunofluorescence-western-blot-elisa/305024>