

Rabbit PEN2 Polyclonal Antibody | anti-PSENEN antibody

PEN2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40073	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

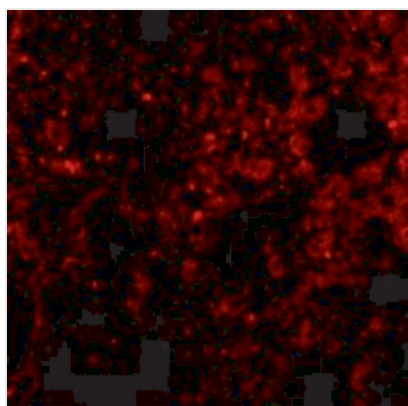
PRODUCT SYNONYMS

PEN2; Polyclonal Antibody; PEN2 Antibody; PEN-2; MDS033; MSTP064; Gamma-secretase subunit PEN-2; Presenilin enhancer protein 2; presenilin enhancer 2 homolog (C. elegans); anti-PSENEN antibody

PRODUCT SPECIFICATIONS

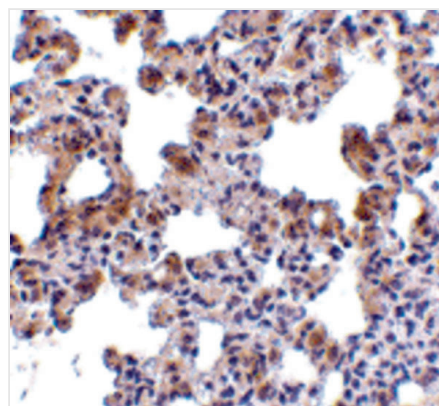
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	PEN2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	101
Applicable Applications for anti-PSENEN antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PEN2 antibody was raised against a 13 amino acid synthetic peptide from near the amino terminus of human PEN2.
Buffer	PEN2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PEN2 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



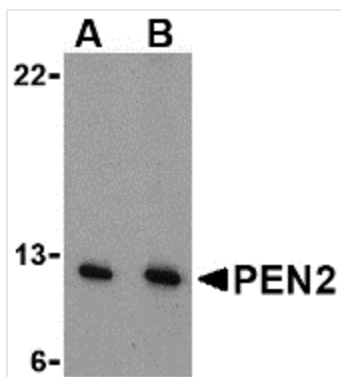
IF (Immunofluorescence)

Immunofluorescence of PEN2 in Rat Lung cells with PEN2 antibody at 20 μg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of PEN2 in rat lung tissue with PEN2 antibody at 2.5 μg/mL.



WB (Western Blot)

Western blot analysis of PEN2 in A-20 cell lysate with PEN2 antibody at (A) 0.5 and (B) 1 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PSENEN antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28144920
NCBI GeneID	55851
NCBI Accession #	NP_758844
NCBI GenBank Nucleotide #	NM_172341.2
UniProt Accession #	Q9NZ42 ; B2R5L9
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; presenilin enhancer 2 homolog; hematopoietic stem/progenitor cells protein MDS033
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.

