

Psen2 Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12401

Product Information

Application	WB
Primary Accession	O88777
Other Accession	NM_031087 , NP_112349
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50051

Additional Information

Gene ID	81751
Other Names	Presenilin-2, PS-2, 3.4.23.-, Presenilin-2 NTF subunit, Presenilin-2 CTF subunit, Psen2, Ps2, Psnl2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Psen2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Psen2 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

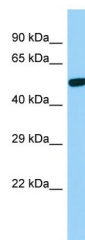
Name	Psen2 {ECO:0000312 RGD:621060}
Synonyms	Ps2, Psnl2
Function	Catalytic subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (amyloid- beta precursor protein). Selectively cleaves late endosomal/lysosomal localized substrates and generates the prominent pool of intracellular amyloid beta that contains longer amyloid beta. The holoprotein functions as a calcium-leak channel that allows the passive movement of calcium from endoplasmic reticulum to cytosol and is involved in calcium homeostasis (By similarity). Is a regulator of mitochondrion- endoplasmic reticulum membrane tethering and modulates

calcium ions shuttling between ER and mitochondria (PubMed:[21285369](#)).

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P49810}; Multi-pass membrane protein. Golgi apparatus membrane {ECO:0000250|UniProtKB:P49810}; Multi-pass membrane protein. Late endosome membrane {ECO:0000250|UniProtKB:P49810}. Lysosome membrane {ECO:0000250|UniProtKB:P49810}. Note=Late endosome/lysosome localization is dependent of the phosphorylation-mediated interaction with the AP1G1 (By similarity). Also highly enriched in mitochondria- associated endoplasmic reticulum membrane contact site (By similarity) {ECO:0000250|UniProtKB:P49810, ECO:0000250|UniProtKB:Q61144}

Images



Host: Rabbit
Target Name: Psen2
Sample Tissue: Rat Stomach lysates
Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.