

Psenen antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # AI14395

Product Information

Application WB
Primary Accession Q9CQR7

Other Accession <u>NM 025498, NP 079774</u>

Reactivity Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine

Predicted Dog
Host Rabbit
Clonality Polyclonal
Calculated MW 11999

Additional Information

Gene ID 66340

Alias Symbol 1700023M09Rik, MGC102026

Other Names Gamma-secretase subunit PEN-2, Presenilin enhancer protein 2, Psenen, Pen2

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-Psenen 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 Psenen antibody - N-terminal region is for research use only and not for use

in diagnostic or therapeutic procedures.

Protein Information

Name Psenen

Synonyms Pen2

Function Essential 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) (PubMed:12522139, PubMed:24941111). The gamma- secretase complex plays a role in Notch and Wnt signaling cascades and regulation of

downstream processes via its role in processing key regulatory proteins, and by regulating cytosolic CTNNB1 levels (Probable). PSENEN modulates both

endoproteolysis of presenilin and gamma-secretase activity

(PubMed: 12522139, PubMed: 24941111).

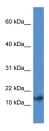
Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9NZ42}. Golgi apparatus, Golgi stack membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9NZ42}. Cell membrane {ECO:0000250|UniProtKB:Q9NZ42}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9NZ42}. Membrane {ECO:0000250|UniProtKB:Q9NZ42}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9NZ42}. Note=Predominantly located in the endoplasmic reticulum and in the cis-Golgi

References

Carninci P., et al. Science 309:1559-1563(2005).

Images



WB Suggested Anti-Psenen Antibody Titration: 1.0 μg/ml Positive Control: Mouse Heart

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