

Psenen antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14395**Specification**

Psenen antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9CQR7
Other Accession	NM_025498 , NP_079774
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Dog
Clonality	Rabbit
Calculated MW	Polyclonal 12kDa KDa

Psenen antibody - N-terminal region - 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.

Psenen antibody - N-terminal region - 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: <http://www.uniprot.org/citations/12522139> target="_blank">12522139, PubMed: <http://www.uniprot.org/citations/24941111> target="_blank">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

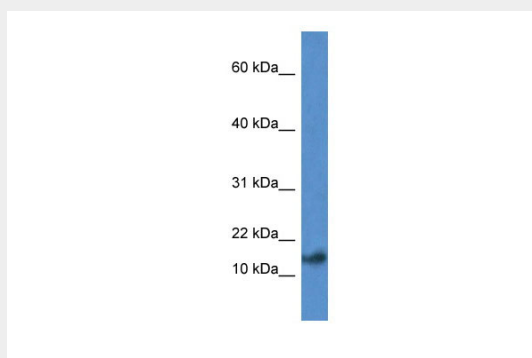
Endoplasmic reticulum membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9NZ42}. Golgi apparatus, Golgi stack membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9NZ42}. Cell membrane {ECO:0000250|UniProtKB:Q9NZ42}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9NZ42}. Membrane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

Psenen antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Psenen antibody - N-terminal region - Images



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

Psenen antibody - N-terminal region - References

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