

Psenen antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14395

Product Information

Application	WB
Primary Accession	Q9CQR7
Other Accession	NM_025498 , NP_079774
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).

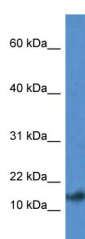
Cellular Location

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'.