



Rabbit Anti-PEN2 antibody

SL6456R

Product Name:	PEN2
Chinese Name:	早老素 γ 分泌酶2抗体
Alias:	Gamma secretase subunit PEN 2; Gamma Secretase Subunit PEN2; Gamma-secretase subunit PEN-2; Hematopoietic stem/progenitor cells protein MDS033; MDS033; MSTP064; PEN 2; PEN-2; PEN2_HUMAN; Presenilin Enhancer 2; Presenilin enhancer 2 homolog; Presenilin Enhancer Protein 2; PSEN2; PSENEN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	11kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PEN2 :6-80/101
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 (beta-amyloid precursor protein). Probably represents the last step of maturation of gamma-secretase, facilitating endoproteolysis of presenilin and conferring

gamma-secretase activity.

Subunit:

Component of the gamma-secretase complex, a complex composed of a presenilin homodimer (PSEN1 or PSEN2), nicastrin (NCSTN), APH1 (APH1A or APH1B) and PSENEN/PEN2. Such minimal complex is sufficient for secretase activity, although other components may exist.

Subcellular Location:

Endoplasmic reticulum membrane. Golgi apparatus > Golgi stack membrane. Predominantly located in the endoplasmic reticulum and in the cis-Golgi.

Tissue Specificity:

Widely expressed. Expressed in leukocytes, lung, placenta, small intestine, liver, kidney, spleen thymus, skeletal muscle, heart and brain.

Similarity:

Belongs to the PEN-2 family.

SWISS:

Q9NZ42

Gene ID:

55851

Database links:

[Entrez Gene: 55851](#)Human

[Entrez Gene: 66340](#)Mouse

[Entrez Gene: 292788](#)Rat

[Entrez Gene: 81751](#)Rat

[Omim: 607632](#)Human

[SwissProt: Q9NZ42](#)Human

[SwissProt: Q9CQR7](#)Mouse

[SwissProt: O88777](#)Rat

[SwissProt: Q6QI68](#)Rat

[Unigene: 534465](#)Human

[Unigene: 86557](#)Mouse

[Unigene: 1240](#)Rat

	<p>Important Note:</p>
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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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