



Rabbit Anti-Nepriylsin-like Protease gamma antibody

SL19205R

Product Name:	Nepriylsin-like Protease gamma
Chinese Name:	脑啡肽酶 γ 抗体
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	89kDa
Cellular localization:	The cell membraneSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Nepriylsin-like Protease gamma:351-450/779
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:	The protein encoded by this gene is a member of the neutral endopeptidase (NEP) or membrane metallo-endopeptidase (MME) family. Family members play important roles in pain perception, arterial pressure regulation, phosphate metabolism and homeostasis. This protein is a type II transmembrane protein and is thought to be expressed as a secreted protein. This gene is expressed mainly in testis with weak

expression in the brain, kidney, and heart. [provided by RefSeq, Jul 2008]

Function:

Metalloprotease involved in sperm function, possibly by modulating the processes of fertilization and early embryonic development. Degrades a broad variety of small peptides with a preference for peptides shorter than 3 kDa containing neutral bulky aliphatic or aromatic amino acid residues. Shares the same substrate specificity with MME and cleaves peptides at the same amide bond.

Subcellular Location:

Membrane. Secreted. A secreted form produced by proteolytic cleavage also exists.

Tissue Specificity:

Predominantly expressed in testis. Weakly expressed in brain, kidney and heart.

Post-translational modifications:

N-glycosylated.

Similarity:

Belongs to the peptidase M13 family.

SWISS:

Q495T6

Gene ID:

79258

Database links:

[Entrez Gene: 79258](#) Human

[SwissProt: Q495T6](#) Human

[Unigene: 591453](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.