SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-Neprilysin 2 antibody

SL11102R

Product Name:	Neprilysin 2
Chinese Name:	脑啡肽酶2抗体
Alias:	Neprilysin-like Protease beta; Mel transforming oncogene like 1; Membrane metallo endopeptidase like 1; Membrane metallo endopeptidase like 2; MMEL1; Neprilysin2; Neprilysin-2; Neprilysin Like 1; MMEL2; NEPII; NL1; NL2; SEP; Soluble secreted endopeptidase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,
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 Neprilysin 2:451-550/779
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; Single pass type II membrane protein. Secreted.

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: 79258Human

Entrez Gene: 27390Mouse

Entrez Gene: 313755Rat

SwissProt: Q495T6Human

SwissProt: Q9ERK3Mouse

SwissProt: P0C1T0Rat

Unigene: 591453Human

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