



MMEL1 Polyclonal Antibody

Catalog No	YP-Ab-06999
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	MMEL1 MELL1 MMEL2 NEP2
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	MMEL1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MMEL2;NEP2;NEPII;NL1;NL2;SEP;MMEL1_HUMAN;MMEL1;Membrane metallo-endopeptidase-like 2;NEP2(m);Neprilysin II (NEPII);Neprilysin-2 (NEP2 NL2);3.4.24.11;MELL1;MMEL1 MELL1 MMEL2 NEP2;Membrane metallo-endopeptidase-like 1 (EC 3.4.24.11) (Membrane metallo-endopeptidase-like 2) (NEP2(m)) (Neprilysin II) (NEPII) (Neprilysin-2) (NEP2) (NL2) [Cleaved into: Membrane metallo-endopeptidase
Observed Band	85kD
Calculated Molecular Weight	89 kDa
Cell Pathway	Membrane; Single-pass type II membrane protein. Secreted. A secreted form produced by proteolytic cleavage also exists. .
Tissue Specificity	Predominantly expressed in testis. Weakly expressed in brain, kidney and heart.
Function	catalytic activity:Preferential cleavage of polypeptides between hydrophobic residues, particularly with Phe or Tyr at P1'.cofactor:Binds 1 zinc ion per subunit.,enzyme regulation:Inhibited by thiorphan and phosphoramidon., 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.,PTM:N-glycosylated.,similarity:Belongs to the peptidase M13 family., subcellular location:A secreted form produced by proteolytic cleavage also exists.,tissue specificity:Predominantly expressed in testis. Weakly expressed in brain, kidney and heart.,

Background

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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images