

Anti-MMP-12 Antibody

Catalog # ABO12766

Product Information

Application	WB, E
Primary Accession	P34960
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Macrophage metalloelastase(MMP12) detection. Tested with WB, ELISA in Mouse.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	17381
Other Names	Macrophage metalloelastase, MME, 3.4.24.65, Matrix metalloproteinase-12, MMP-12, Mmp12, Mme, Mmel
Calculated MW	54971
Application Details	Western blot, 0.1-0.5 μ g/ml, Mouse, - ELISA , 0.1-0.5 μ g/ml, Mouse
Subcellular Localization	Secreted, extracellular space, extracellular matrix .
Source	Eukaryota
Protein Name	Macrophage metalloelastase
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse MMP12 (432-466aa KIDAVLYFKRHHYIFQGAYQLEYDPLFRRVTKTLK), different from the related human sequence by thirteen amino acids, and from the related rat sequence by three amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.

Protein Information

Name	Mmp12
Synonyms	Mme, Mmel
Function	May be involved in tissue injury and remodeling. Has significant elastolytic activity. Can accept large and small amino acids at the P1' site, but has a preference for leucine. Aromatic or hydrophobic residues are preferred at the P1 site, with small hydrophobic residues (preferably alanine) occupying P3 (By similarity).
Cellular Location	Secreted, extracellular space, extracellular matrix

Background

Matrix metalloproteinase-12 (MMP12), also known as MME or ME, is an enzyme that in humans is encoded by the MMP12 gene. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.2. It is thought that the protein encoded by this gene is cleaved at both ends to yield the active enzyme, but this processing has not been fully described. The enzyme degrades soluble and insoluble elastin. It may play a role in aneurysm formation and studies in mice suggest a role in the development of emphysema. This gene may involved in tissue injury and remodeling.

Images



Anti- ABO12766 antibody, PBMP12, Western blottingAll
lanes: Anti MMP12 (ABO12766) at 0.5ug/mlWB: HEPA
Whole Cell Lysate at 40ugPredicted bind size:
55KDObserved bind size: 55KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.