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Rabbit Anti-MMP17/AP Conjugated antibody

SL1862R-AP

Product Name	Anti-MMP17/AP
Chinese Name	碱性磷酸酶（AP）标记的基质金属蛋白酶-17 抗体
Alias	Matrix metalloproteinase-17; MMP-17; MMP 17; MMP17; MTMMP 4; Matrix metalloproteinase 17; Matrix metalloproteinase 17 membrane inserted; Membrane type 4 matrix metalloproteinase; Membrane type matrix metalloproteinase 4; MT MMP 4; MT MMP4; MT4 MMP; MT4MMP.
Research Area	Tumour immunology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse(predicted:Human,Rat)
Applications	IHC-P=1:100-500,IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	48/63kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human MMP17
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular

proteinases. The protein encoded by this gene is considered a member of the membrane-type MMP (MT-MMP) subfamily. However, this protein is unique among the MT-MMP's in that it is a GPI-anchored protein rather than a transmembrane protein. The protein activates MMP-2 by cleavage. [provided by RefSeq, Jul 2008]

Function:
Endopeptidase that degrades various components of the extracellular matrix, such as fibrin. May be involved in the activation of membrane-bound precursors of growth factors or inflammatory mediators, such as tumor necrosis factor-alpha. May also be involved in tumoral process. Not obvious if able to proteolytically activate progelatinase A. Does not hydrolyze collagen types I, II, III, IV and V, gelatin, fibronectin, laminin, decorin nor alpha1-antitrypsin.

Subcellular Location:
Isoform Long: Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side. Secreted, extracellular space, extracellular matrix.

Tissue Specificity:
Expressed in brain, leukocytes, colon, ovary testis and breast cancer. Expressed also in many transformed and non-transformed cell types.

Post-translational modifications:
The precursor is cleaved by a furin endopeptidase.

Similarity:
Belongs to the peptidase M10A family.
Contains 4 hemopexin-like domains.

Database links:

Entrez Gene: 4326 Human

Entrez Gene: 23948 Mouse

Entrez Gene: 288626 Rat

Omim: 602285 Human

SwissProt: Q9ULZ9 Human

SwissProt: Q9R0S3 Mouse

Unigene: 709245 Human

Unigene: 42047 Mouse

Unigene: 7971 Rat

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