

Rabbit Anti-MMP-23/Biotin Conjugated antibody

SL5875R-Bio

Product Name	Anti-MMP-23/Biotin
Chinese Name	生物素标记的基质金属蛋白酶 23 抗体
Alias	Cysteine array matrix metalloproteinase; Femalysin; Matrix metalloproteinase 21; Matrix metalloproteinase 23A (pseudogene); Matrix metalloproteinase 23A; Matrix metalloproteinase 23B; Matrix metalloproteinase 22; Matrix metalloproteinase 23; Matrix metalloproteinase 23B; Matrix metalloproteinase in the female reproductive tract; Matrix metalloproteinase-21; Matrix metalloproteinase-22; Matrix metalloproteinase-23; MIFR 1; MIFR; MIFR-1; MIFR1; MMP 21; MMP 22; MMP 23; MMP 23B; MMP-21; MMP-22; MMP-23; MMP21; MMP22; MMP23_HUMAN; MMP23A; MMP23B; soluble form;
Research Area	Tumour Cell biology immunology Signal transduction Kinases and Phosphatases Cytoskeleton Extracellular matrix Ubiquitin
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human(predicted:Mouse,Rat,Chicken,Dog,Pig,Cow) WB=1:500-2000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	36/44kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human MMP-23
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.

background:

Matrix Metalloproteinase 23 is a member of the matrix metalloproteinase (MMP) family, and it is part of a duplicated region of chromosome 1p36.3. 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. This gene belongs to the more telomeric copy of the duplicated region.

Function:

Protease. May regulate the surface expression of some potassium channels by retaining them in the endoplasmic reticulum (By similarity).

Subcellular Location:

Endoplasmic reticulum membrane; Single-pass type II membrane protein (By similarity). Membrane; Single-pass type II membrane protein. Note=A secreted form produced by proteolytic cleavage may also exist (Probable).

Tissue Specificity:

Predominantly expressed in ovary, testis and prostate.

Product Detail

Post-translational modifications:

N-glycosylated.

Proteolytic cleavage might yield an active form (By similarity).

Similarity:

Belongs to the peptidase M10A family.

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Database links:

[Entrez Gene: 8510](#) Human

[Entrez Gene: 26561](#) Mouse

[Entrez Gene: 94339](#) Rat

[Oimim: 603321](#) Human

[SwissProt: O75900](#) Human

[SwissProt: O88676](#) Mouse



[SwissProt: O88272](#) Rat

[Unigene: 192316](#) Human

[Unigene: 671760](#) Human

[Unigene: 29373](#) Mouse

[Unigene: 22562](#) Rat

Important Note:

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