

Product datasheet for **AP23330PU-N**

MMP14 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: At 0.5-1µg/ml with the appropriate system to detect MMP14 in cells and tissues. Immunohistochemistry on paraffin sections: At 1-2 µg/ml to detect MMP14 in formalin fixed and paraffin embedded tissues. Immunohistochemistry on frozen sections: At 1-2 µg/ml to detect MMP14 in formalin or acetone fixed tissues.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide mapping at the C-terminal of human MMP14
Specificity:	This antibody detects MMP-14 (C-term).
Formulation:	5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ State: Aff - Purified State: Lyophilized Ig fraction
Reconstitution Method:	0.2ml of distilled water will yield a concentration of 500µg/ml.
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	matrix metalloproteinase 14
Database Link:	Entrez Gene 17387 Mouse Entrez Gene 81707 Rat Entrez Gene 4323 Human P50281



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Background:

Matrix metalloproteinases (MMPs) are Zn(2+)-binding endopeptidases that degrade various components of the extracellular matrix (ECM). The MMPs are enzymes implicated in normal and pathologic tissue remodeling processes, wound healing, angiogenesis, and tumor invasion. MMPs have different substrate specificities and are encoded by different genes. membrane-type matrix metalloproteinase (MMP14) may be an activator of pro-gelatinase A (MMP2) and is expressed in fibroblast cells during both wound healing and human cancer progression. Survivin, MMP2, MMP9, and MMP14 mRNA expression levels in clinically aggressive pigmented lesions were significantly higher than those in normal eutopic endometrium, and survivin gene expression in pigmented lesions was also higher than that in nonpigmented lesions (P less than 0.05). There was a close correlation between survivin and MMP2, MMP9, and MMP14 gene expression levels in 63 endometriotic tissues examined (P less than 0.01).

Synonyms:

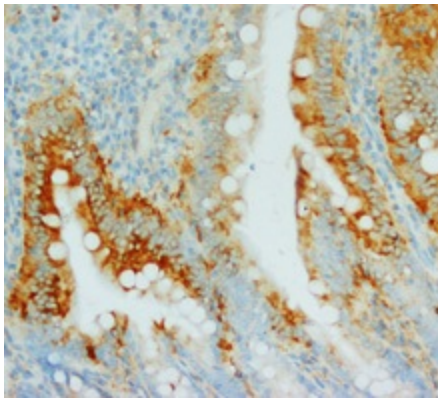
Matrix metalloproteinase-14, MMP14, MMP-X1, Membrane-type-1 matrix metalloproteinase

Protein Families:

Druggable Genome, Protease, Transmembrane

Protein Pathways:

GnRH signaling pathway

Product images:

MMP14 Polyclonal Antibody