

## Anti-Matrix metalloproteinase-24 MMP24 Antibody Picoband® Biotin Conjugated

Catalog Number: PA2212-Biotin

### About MMP24

Matrix metalloproteinase-24, also known as MT5MMP or MMP25, is an enzyme that in humans is encoded by the MMP24 gene. 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. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. This protein activates MMP2 by cleavage. The gene has previously been referred to as MMP25 but has been renamed MMP24. This gene may be a proteoglycanase involved in degradation of proteoglycans, such as dermatan sulfate and chondroitin sulfate proteoglycans.

### Overview

Product Name	Anti-Matrix metalloproteinase-24 MMP24 Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Application	WB, IHC, ELISA
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q9Y5R2

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human MMP24, identical to the related mouse and rat sequences.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.

Conjugate	Biotin
Suggested Dilutions	Western blot, Optimal dilutions should be determined by end users. Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users. ELISA, Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

1. PubMed ID: 28990064, Liu M, Liu S, Tan W, Tang F, Long J, Li Z, Liang B, Chu C, Yang J. Mol Med Rep. 2017 Dec;16(6):8953-8963. doi: 10.3892/mmr.2017.7714. Epub 2017 Oct 4. Gaseous signalling molecule SO<sub>2</sub> via Hippo-MST pathway to improve myocardial fibrosis of diabetic...

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