

# MMP2 Polyclonal Antibody

Catalog Number: E-AB-32054

1 Publications



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

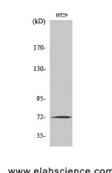
## Description

<b>Reactivity</b>	Human, Mouse, Rat, Monkey
<b>Immunogen</b>	Synthesized peptide derived from the C-terminal region of human MMP-2
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

## Applications Recommended Dilution

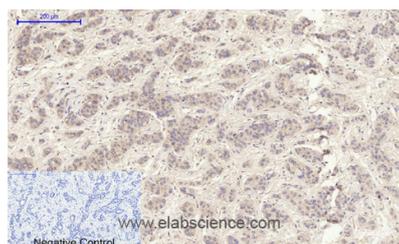
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:100-1:300
<b>IF</b>	1:200-1:1000
<b>ELISA</b>	1:20000

## Data

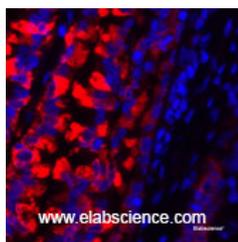


Western Blot analysis of HT-29 cells using MMP2 Polyclonal Antibody at dilution of 1:1000.

**Observed Mw:74kDa**  
**Calculated Mw:74kDa**



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using MMP2 Polyclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of Rat lung tissue using MMP2 Polyclonal Antibody at dilution of 1:200.

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

Ubiquitous metalloproteinase that is involved in diverse functions such as remodeling of the vasculature, angiogenesis,

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tissue repair, tumor invasion, inflammation, and atherosclerotic plaque rupture. As well as degrading extracellular matrix proteins, can also act on several nonmatrix proteins such as big endothelial 1 and beta-type CGRP promoting vasoconstriction. Also cleaves KISS at a Gly-Leu bond. Appears to have a role in myocardial cell death pathways. Contributes to myocardial oxidative stress by regulating the activity of GSK3beta. Cleaves GSK3beta in vitro. PEX, the C-terminal non-catalytic fragment of MMP2, possesses anti-angiogenic and anti-tumor properties and inhibits cell migration and cell adhesion to FGF2 and vitronectin. Ligand for integrin $\alpha$ 5 $\beta$ 3 on the surface of blood vessels.

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