

Product Name: MMP2 (3A8) Mouse Monoclonal Antibody
Catalog #: AMM03859



Summary

Production Name	MMP2 (3A8) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB, ICC/IF
Reactivity	Human, Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	MMP2
Alternative Names	MMP2; CLG4A; 72 kDa type IV collagenase; 72 kDa gelatinase; Gelatinase A; Matrix metalloproteinase-2; MMP-2; TBE-1
Gene ID	4313
SwissProt ID	P08253.

Application

Dilution Ratio	WB: 1:500-1:1000 IF: 1:50-1:200
Molecular Weight	Calculated MW: 74 kDa; Observed MW: 74 kDa

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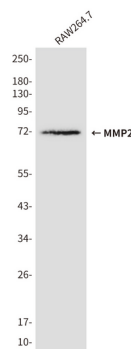
Background

MMP2 Ubiquitous metalloproteinase that is involved in diverse functions such as remodeling of the vasculature, angiogenesis, 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.

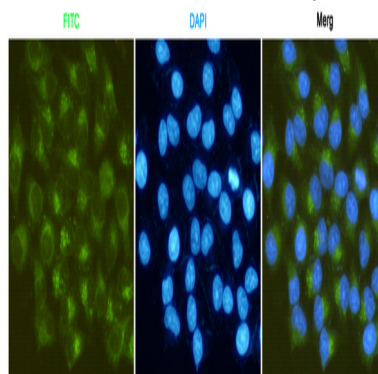
Research Area

Cardiovascular

Image Data

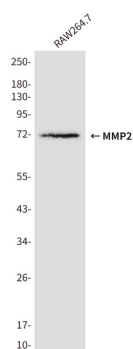


Western blot analysis of MMP2 (3A8) in Raw264.7 lysates using MMP2 antibody.



Immunofluorescence analysis of MMP2 (3A8) in Hela using MMP2 antibody, and DAPI (blue).

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Note

For research use only.