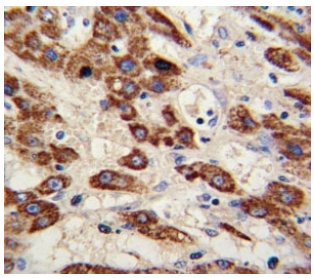
MMP3 Antibody (F49500)

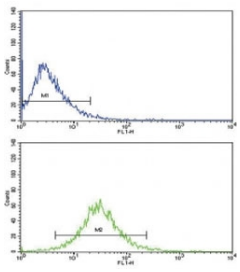
Catalog No.	Formulation	Size
F49500-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49500-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

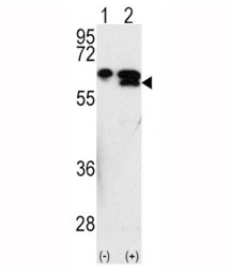
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P08254
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This MMP3 antibody is available for research use only.



IHC analysis of FFPE human hepatocarcinoma stained with MMP3 antibody



Flow cytometric analysis of HepG2 cells using MMP3 antibody (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western blot analysis of MMP3 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the MMP3 gene (2). Predicted molecular weight ~54kDa.

Description

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 MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. MMP3 is an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation.

Application Notes

Titration of the MMP3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 298-327 from the human protein was used as the immunogen for this MMP3 antibody.

Storage

Aliquot the MMP3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.