ARG67134
anti-MMP9 antibody

Package: 20 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MMP9
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MMP9
Species	Human
Immunogen	Synthetic peptide of Human MMP9.
Conjugation	Un-conjugated
Alternate Names	MMP9; Matrix Metallopeptidase 9; CLG4B; Matrix Metalloproteinase 9 (Gelatinase B, 92kDa Gelatinase, 92kDa Type IV Collagenase); Matrix Metalloproteinase-9; EC 3.4.24.35; MMP-9; GELB; Matrix Metallopeptidase 9 (Gelatinase B, 92kDa Gelatinase, 92kDa Type IV Collagenase); 92 KDa Type IV Collagenase; Macrophage Gelatinase; Type V Collagenase; 92 KDa Gelatinase; Gelatinase B; EC 3.4.24; MANDP2

Application Instructions

Application table

Application	Dilution
ICC/IF	1:200 - 1:1000
IHC-P	1:100 - 1:300
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

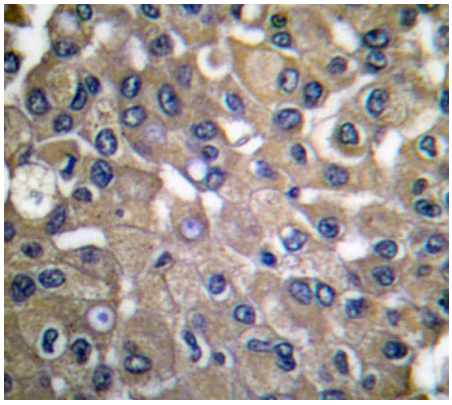
Form	Liquid
Purification	Affinity chromatography purified
Buffer	PBS, 0.02% Sodium azide, 0.5% BSA and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA, 50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

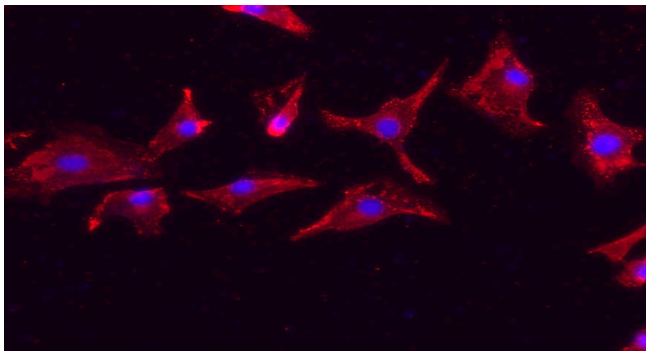
Gene Symbol	MMP9
Gene Full Name	Matrix Metallopeptidase 9
Background	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling. [provided by RefSeq, Jul 2008]
Function	Degrades fibronectin but not laminin or Pz-peptide. [UniProt]
Calculated Mw	78 kDa
PTM	Disulfide bond, Glycoprotein, Zymogen. [UniProt]
Cellular Localization	Extracellular matrix, Secreted. [UniProt]

Images



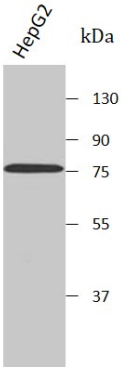
ARG67134 anti-MMP9 antibody IHC-P image

Immunohistochemistry: Human breast carcinoma stained with ARG67134 anti-MMP9 antibody at 1:200 dilution.



ARG67134 anti-MMP9 antibody ICC/IF image

Immunofluorescence: A549 stained with ARG67134 anti-MMP9 antibody at 1:200 dilution.



ARG67134 anti-MMP9 antibody WB image

Western blot: HepG2 stained with ARG67134 anti-MMP9 antibody at 1:1000 dilution.