

MMP9 antibody

Catalog No: #38359

Package Size: #38359-1 50ul #38359-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

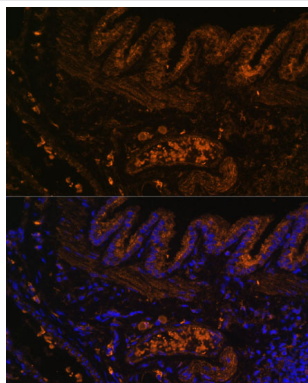
Product Name	MMP9 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total MMP9 protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human MMP9.
Target Name	MMP9
Other Names	CLG4B; GELB; MMP-9;
Accession No.	Swiss-Prot#: P14780NCBI Gene ID: 4318
Uniprot	P14780
GeneID	4318;
SDS-PAGE MW	78kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

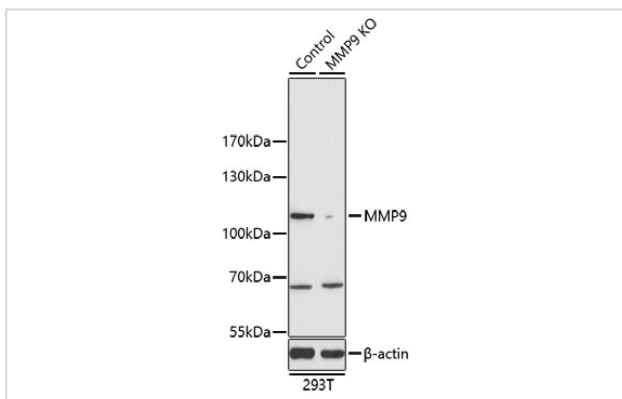
Western blotting: □1:500 - 1:2000

IF 1:50 - 1:200

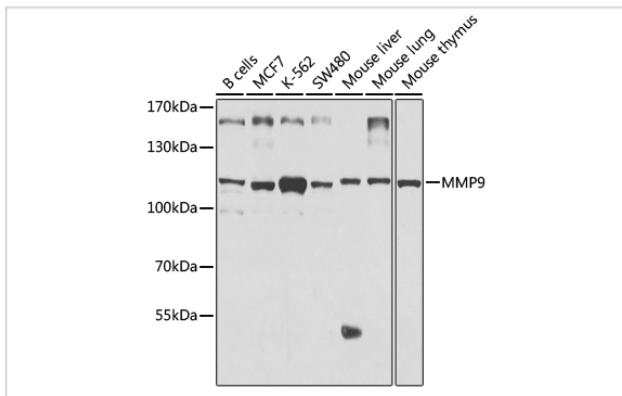
Images



Immunofluorescence analysis of rat lung using MMP9 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Western blot analysis of extracts from normal (control) and MMP9 knockout (KO) 293T cells, using MMP9 antibody at 1:1000 dilution.



Western blot analysis of extracts of various cell lines, using MMP9 antibody at 1:1000 dilution.

Background

The matrix metalloproteinases (MMPs) are a family of proteases that target many extracellular proteins including other proteases, growth factors, cell surface receptors and adhesion molecules (1). Among the family members, MMP-2, MMP-3, MMP-7 and MMP-9 have been characterized as important factors for normal tissue remodeling during embryonic development, wound healing, tumor invasion, angiogenesis, carcinogenesis and apoptosis (2-4). MMP activity correlates with cancer development (2). One mechanism of MMP regulation is transcriptional (5). Once synthesized, MMP exists as a latent proenzyme. Maximum MMP activity requires proteolytic cleavage to generate active MMPs by releasing the inhibitory propeptide domain from the full length protein (5).

Note: This product is for in vitro research use only