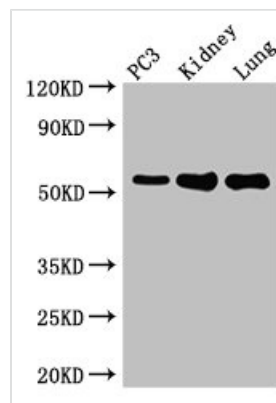




MMP13 Antibody

Product Code	CSB-PA07029A0Rb
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P45452
Immunogen	Recombinant Human Collagenase 3 protein (104-471AA)
Raised In	Rabbit
Species Reactivity	Human, Mouse
Tested Applications	ELISA, WB, IHC, IF; Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200
Relevance	Degrades collagen type I. Does not act on gelatin or casein. Could have a role in tumoral process.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG
Clonality	Polyclonal
Alias	Collagenase 3 (EC 3.4.24.-) (Matrix metalloproteinase-13) (MMP-13), MMP13
Immunogen Species	Homo sapiens (Human)
Research Area	Cardiovascular
Target Names	MMP13

Image



Western Blot

Positive WB detected in: PC-3 whole cell lysate, Mouse kidney tissue, Mouse lung tissue

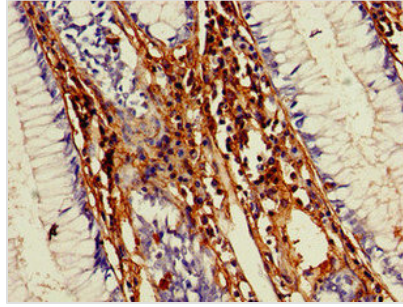
All lanes: MMP13 antibody at 2µg/ml

Secondary

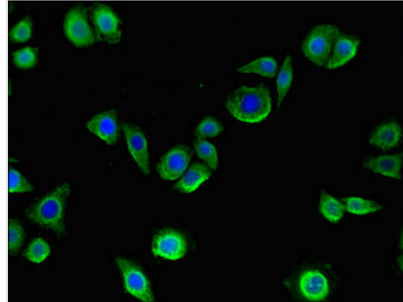
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 54 kDa

Observed band size: 54 kDa



Immunohistochemistry of paraffin-embedded human colon cancer using CSB-PA07029A0Rb at dilution of 1:100



Immunofluorescent analysis of PC-3 cells using CSB-PA07029A0Rb at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Description

CUSABIO generated the MMP13 antibody through immunization of rabbits with the recombinant human Collagenase 3 protein (104-471AA) and final purification from rabbit antiserum by protein G. This MMP13 antibody is a polyclonal antibody and exists as an unconjugated IgG. It can react with human and mouse samples. Its purity is over 95%. And it is suitable for the detection of the MMP13 protein in multiple applications, including ELISA, WB, IHC, and IF. The target protein MMP13, also known as collagenases-3 (CLG3), is capable of triple-helical collagen cleavage with a strong preference for type II collagen. The involvement of MMP13 protein in skeletal development, wound healing, tissue remodeling, bone mineralization, and ossification has also been reported.