

Anti-MMP15 Antibody

Catalog # AP51351

Product Information

Application	WB, IF/IC
Primary Accession	P51511
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75807

Additional Information

Gene ID	4324
Other Names	Matrix metalloproteinase-15; MMP-15; Membrane-type matrix metalloproteinase 2; MT-MMP 2; MTMMP2; Membrane-type-2 matrix metalloproteinase; MT2-MMP; MT2MMP; SMCP-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MMP15. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

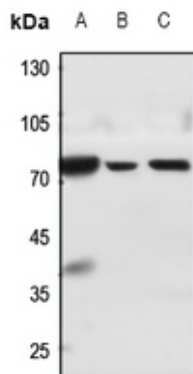
Name	MMP15
Function	Endopeptidase that degrades various components of the extracellular matrix. May activate progelatinase A.
Cellular Location	Membrane; Single-pass type I membrane protein; Extracellular side
Tissue Location	Appeared to be synthesized preferentially in liver, placenta, testis, colon and intestine. Substantial amounts are also detected in pancreas, kidney, lung, heart and skeletal muscle

References

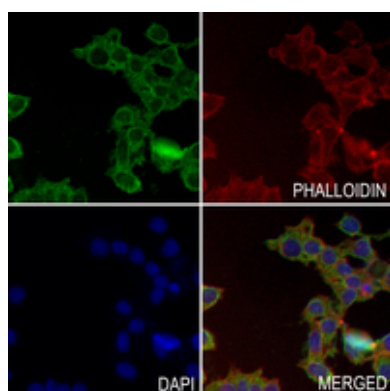
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Images



Western blot analysis of MMP15 expression in HEK293T (A), Hela (B), H446 (C) whole cell lysates. (Predicted band size: 75 kDa; Observed band size: 75 kDa)



Immunofluorescent analysis of MMP15 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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