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Recombinant Anti-ECM1 Rabbit mAb

Catalog # AP95344

Product Information

Application	WB, IHC, FC, IP, IF/IC
Primary Accession	Q16610
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	60674

Additional Information

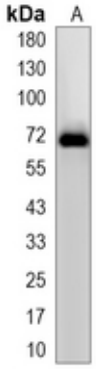
Gene ID	1893
Other Names	Extracellular matrix protein 1; Secretory component p85
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human ECM1 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

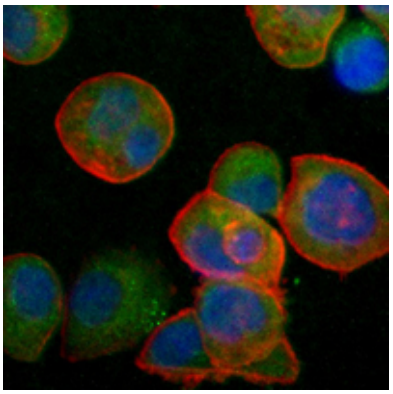
Name	ECM1
Function	Involved in endochondral bone formation as negative regulator of bone mineralization. Stimulates the proliferation of endothelial cells and promotes angiogenesis. Inhibits MMP9 proteolytic activity.
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Expressed in breast cancer tissues. Little or no expression observed in normal breast tissues. Expressed in skin; wide expression is observed throughout the dermis with minimal expression in the epidermis.

Images

Western blot analysis of ECM1 expression in A375 (A) whole cell lysates. (Predicted band size: 61 kD; Observed



band size: 70 kD)



Immunofluorescent analysis of ECM1 staining in A375 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 hidified chamber. Cells were washed with PBST and incubated with an 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).