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Anti-Collagen 18 alpha 1 Antibody

Catalog # AP53893

Product Information

Application	WB, IF
Primary Accession	P39060
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	178188

Additional Information

Gene ID	80781
Other Names	Collagen alpha-1(XVIII) chain
Target/Specificity	Recognizes endogenous levels of Collagen 18 alpha 1 protein.
Dilution	WB~~1/500 - 1/1000 IF~~1/50 - 1/200
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

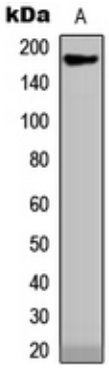
Protein Information

Name	COL18A1 (HGNC:2195)
Function	Probably plays a major role in determining the retinal structure as well as in the closure of the neural tube.
Cellular Location	Secreted, extracellular space, extracellular matrix. Secreted, extracellular space, extracellular matrix, basement membrane {ECO:0000250|UniProtKB:P39061} [Endostatin]: Secreted. Secreted, extracellular space, extracellular matrix, basement membrane
Tissue Location	Detected in placenta (at protein level) (PubMed:32337544). Present in multiple organs with highest levels in liver, lung and kidney.

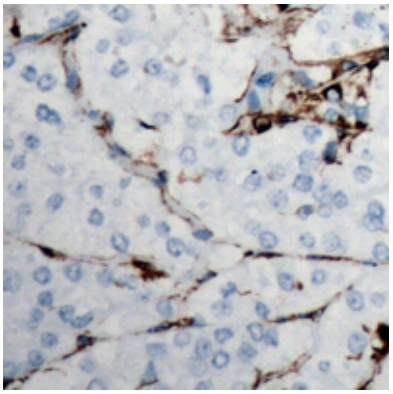
Background

Rabbit polyclonal antibody to Collagen 18 alpha 1

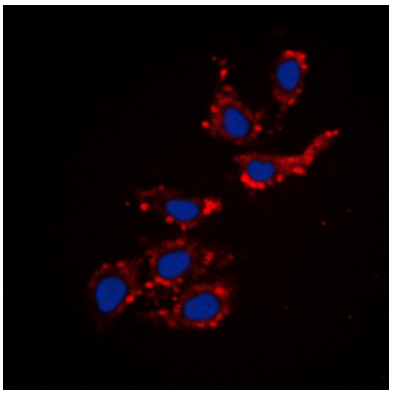
Images



Western blot analysis of Collagen 18 alpha 1 expression in MCF7 (A) whole cell lysates.



Immunohistochemical analysis of Collagen 18 alpha 1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Collagen 18 alpha 1 staining in MCF7 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 a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Citations

- Discovery of IgG4 Anti-Gliadin Autoantibody as a Potential Biomarker of Psoriasis Using an Autoantigen Array