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Anti-Collagen 5 alpha 3 Antibody

Catalog # AP51108

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P25940
Reactivity	Human, Mouse, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	172121

Additional Information

Gene ID	50509
Other Names	Collagen alpha-3(V) chain
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Collagen 5 alpha 3. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500 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

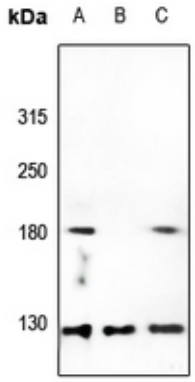
Protein Information

Name	COL5A3
Function	Type V collagen is a member of group I collagen (fibrillar forming collagen). It is a minor connective tissue component of nearly ubiquitous distribution. Type V collagen binds to DNA, heparan sulfate, thrombospondin, heparin, and insulin.
Cellular Location	Secreted, extracellular space, extracellular matrix {ECO:0000255|PROSITE-ProRule:PRU00793}. Secreted
Tissue Location	Detected in fibroblasts (at protein level) (PubMed:36213313). Detected in urine (at protein level) (PubMed:37453717).

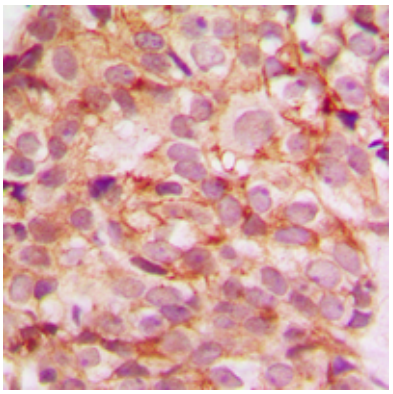
References

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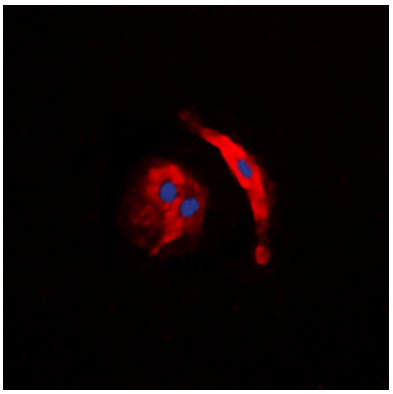
Images



Western blot analysis of Collagen 5 alpha 3 expression in CT26 (A), MCF7 (B), Hela (C) whole cell lysates. (Predicted band size: 172 kD; Observed band size: 180; 120 kD)



Immunohistochemical analysis of Collagen 5 alpha 3 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 5 alpha 3 staining in HuvEc 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 DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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