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Anti-Collagen 11 alpha 1 Antibody

Catalog # AP51099

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P12107
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	181065

Additional Information

Gene ID	1301
Other Names	COLL6; Collagen alpha-1(XI) chain
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Collagen 11 alpha 1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 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

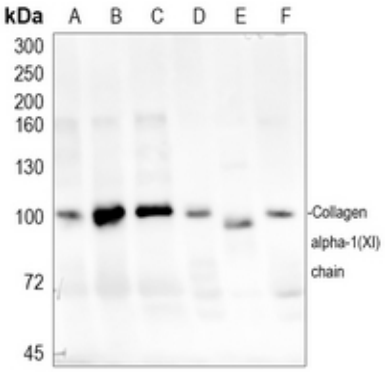
Protein Information

Name	COL11A1
Synonyms	COLL6
Function	May play an important role in fibrillogenesis by controlling lateral growth of collagen II fibrils.
Cellular Location	Secreted, extracellular space, extracellular matrix {ECO:0000255|PROSITE-ProRule:PRU00793}
Tissue Location	Cartilage, placenta and some tumor or virally transformed cell lines. Isoforms using exon IIA or IIB are found in the cartilage while isoforms using only exon IIB are found in the tendon

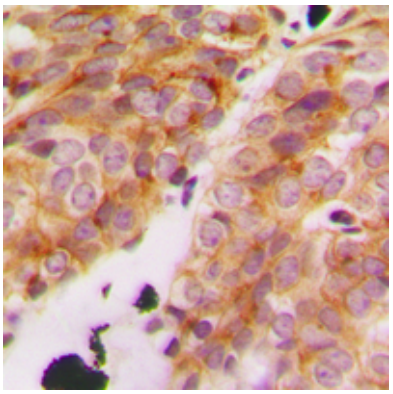
References

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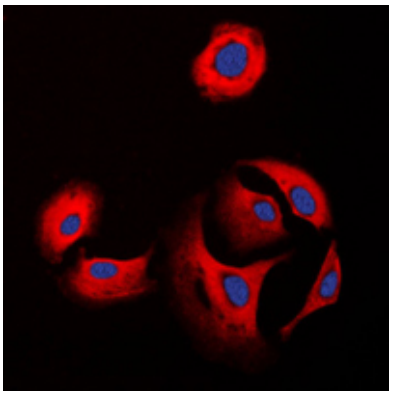
Images



Western blot analysis of Collagen 11 alpha 1 expression in H1792 (A), myla2059 (B), LO2 (C), mouse brain (D), mouse liver (E), rat brain (F) whole cell lysates. (Predicted band size: 181 kD; Observed band size: 98 kD)



Immunohistochemical analysis of Collagen 11 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 11 alpha 1 staining in K562 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.