10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Collagen 19 alpha 1 Antibody

Catalog # AP53336

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q14993
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	115221

Additional Information

Gene ID	1310
Other Names	Collagen alpha-1(XIX) chain; Collagen alpha-1(Y) chain
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Collagen 19 alpha 1. 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

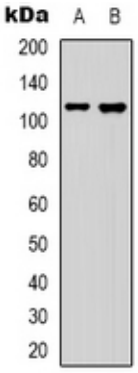
Name	COL19A1
Function	May act as a cross-bridge between fibrils and other extracellular matrix molecules. Involved in skeletal myogenesis in the developing esophagus. May play a role in organization of the pericellular matrix or the sphinteric smooth muscle.
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Localized to vascular, neuronal, mesenchymal, and some epithelial basement membrane zones in umbilical cord

References

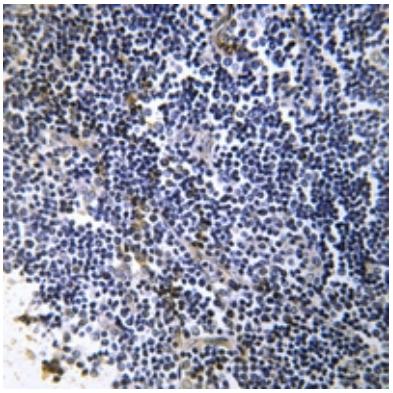
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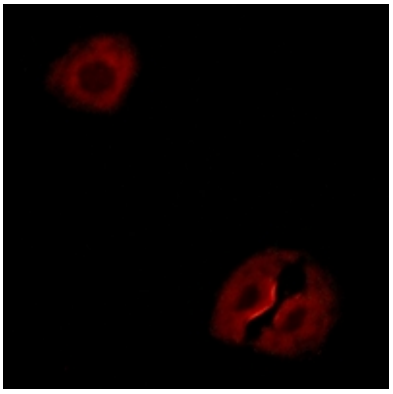
Images



Western blot analysis of Collagen 19 alpha 1 expression in Hela (A), HepG2 (B) whole cell lysates. (Predicted band size: 115 kD; Observed band size: 115 kD)



Immunohistochemical analysis of Collagen 19 alpha 1 staining in human thymus gland 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 19 alpha 1 staining in A549 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 AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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