

Anti-Collagen 7 alpha 1 Antibody

Catalog # AP54028

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q02388
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	295220

Additional Information

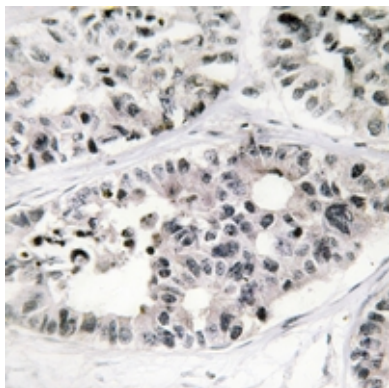
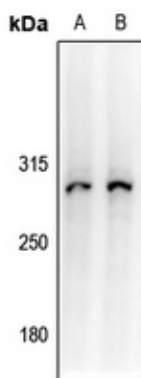
Gene ID	1294
Other Names	Collagen alpha-1(VII) chain; Long-chain collagen; LC collagen
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Collagen 7 alpha 1. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200 IF/IC~~N/A
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

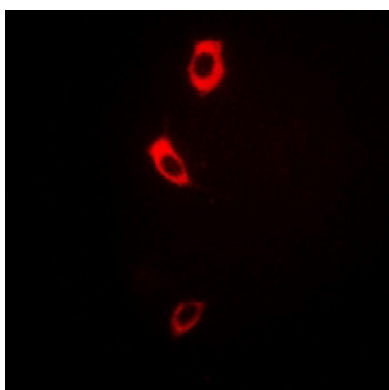
Name	COL7A1
Function	Stratified squamous epithelial basement membrane protein that forms anchoring fibrils which may contribute to epithelial basement membrane organization and adherence by interacting with extracellular matrix (ECM) proteins such as type IV collagen.
Cellular Location	Secreted, extracellular space, extracellular matrix, basement membrane

Images

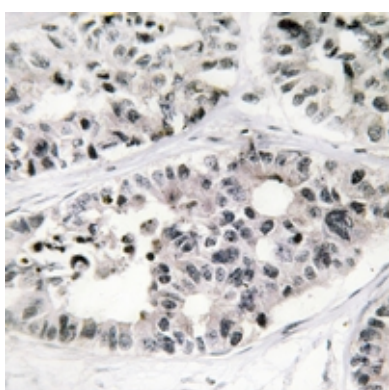
Western blot analysis of Collagen 7 alpha 1 expression in rat brain (A), mouse brain (B) whole cell lysates.
(Predicted band size: 295 kD; Observed band size: 295 kD)



Immunohistochemical analysis of Collagen 7 alpha 1 staining in human lung 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 7 alpha 1 staining in COS7 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 Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



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