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Anti-Collagen-pan Antibody

Catalog # AP54015

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P02452
Other Accession	P02458, P02461, P20908
Reactivity	Human, Mouse, Rat, Chicken, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	138911

Additional Information

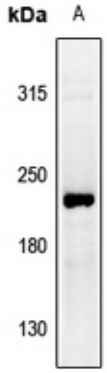
Gene ID	1277
Other Names	Collagen alpha-1(I) chain; Alpha-1 type I collagen; Collagen alpha-1(II) chain; Alpha-1 type II collagen; Collagen alpha-1(III) chain
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Collagen-pan. The exact sequence is proprietary.
Dilution	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

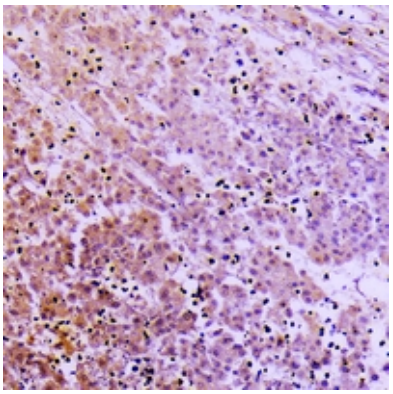
Name	COL1A1
Function	Type I collagen is a member of group I collagen (fibrillar forming collagen).
Cellular Location	Secreted, extracellular space, extracellular matrix {ECO:0000255|PROSITE-ProRule:PRU00793}
Tissue Location	Forms the fibrils of tendon, ligaments and bones. In bones the fibrils are mineralized with calcium hydroxyapatite

Images

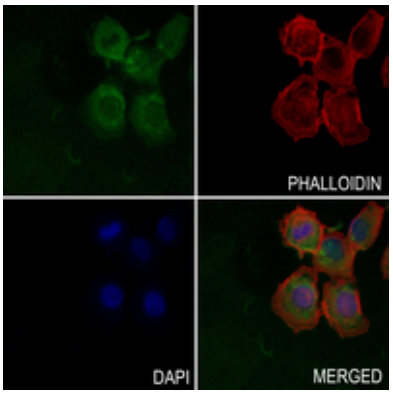
Western blot analysis of Collagen-pan expression in



NIHC3T3 (A) whole cell lysates. (Predicted band size: 138; 141; 183 kD; Observed band size: 220 kD)



Immunohistochemical analysis of Collagen-pan staining in human liver 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-pan 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 AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). 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'.