

Anti-Collagen 6 alpha 2 Antibody

Catalog # AP51109

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P12110
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	108579

Additional Information

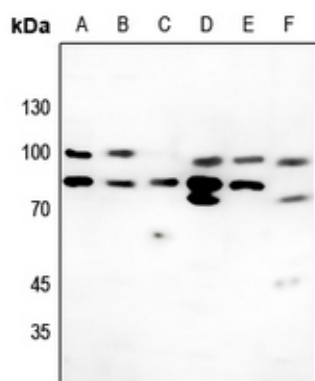
Gene ID	1292
Other Names	Collagen alpha-2(VI) chain
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Collagen 6 alpha 2. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 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

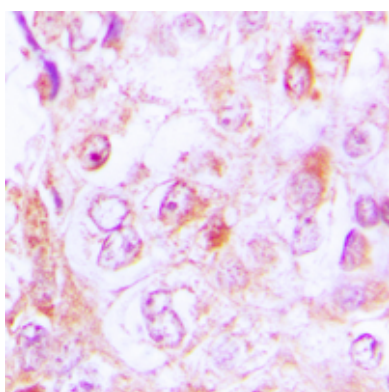
Name	COL6A2
Function	Collagen VI acts as a cell-binding protein.
Cellular Location	Secreted, extracellular space, extracellular matrix. Membrane; Peripheral membrane protein. Note=Recruited on membranes by CSPG4

References

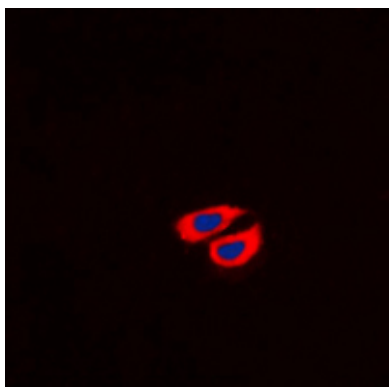
Chu M.-L.,et al.Submitted (APR-2001) to the EMBL/GenBank/DDBJ databases.
Saitta B.,et al.J. Biol. Chem. 267:6188-6196(1992).
Chu M.-L.,et al.EMBO J. 8:1939-1946(1989).
Tillet E.,et al.Eur. J. Biochem. 221:177-185(1994).
Chu M.-L.,et al.Eur. J. Biochem. 168:309-317(1987).



Western blot analysis of Collagen 6 alpha 2 expression in Hela (A), U2OS (B), mouse lung (C), mouse kidney (D), rat lung (E), rat kidney (F) whole cell lysates. (Predicted band size: 108 kD; Observed band size: 97; 87 kD)



Immunohistochemical analysis of Collagen 6 alpha 2 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 6 alpha 2 staining in HT29 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'.