

Anti-Collagen 16 alpha 1 Antibody

Catalog # AP54096

Product Information

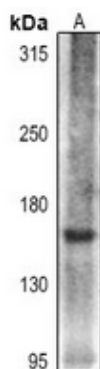
Application	WB, IHC
Primary Accession	Q07092
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	157751

Additional Information

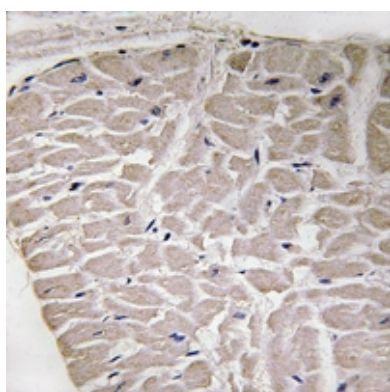
Gene ID	1307
Other Names	Collagen alpha-1(XVI) chain
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Collagen 16 alpha 1. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200
Format	Liquid in 0.42% Potassium phosphate, 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

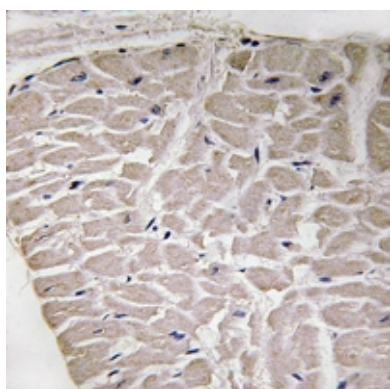
Name	COL16A1
Function	Involved in mediating cell attachment and inducing integrin- mediated cellular reactions, such as cell spreading and alterations in cell morphology.
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	In papillary dermis, is a component of specialized fibrillin-1-containing microfibrils, whereas in territorial cartilage matrix, it is localized to a discrete population of thin, weakly banded collagen fibrils in association with other collagens (at protein level). In the placenta, where it is found in the amnion, a membranous tissue lining the amniotic cavity. Within the amnion, it is found in an acellular, relatively dense layer of a complex network of reticular fibers. Also located to a fibroblast layer beneath this dense layer Exists in tissues in association with other types of collagen



Western blot analysis of Collagen 16 alpha 1 expression in A375 (A) whole cell lysates. (Predicted band size: 157 kD; Observed band size: 157 kD)



Immunohistochemical analysis of Collagen 16 alpha 1 staining in human heart 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.



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