



COL7A1 Polyclonal Antibody

Catalog No	YP-Ab-16996
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF;ELISA
Gene Name	COL7A1
Immunogen	The antiserum was produced against synthesized peptide derived from human Collagen VII alpha1. AA range:1841-1890
Specificity	COL7A1 Polyclonal Antibody detects endogenous levels of COL7A1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	COL7A1;Collagen alpha 1(VII) chain;Collagen Type VII;collagen;type VII;alpha 1; EBD1;EBDCT;EBR1;LC collagen;Long chain collagen;Collagen alpha-1(VII) chain;Long-chain collagen
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Secreted, extracellular space, extracellular matrix, basement membrane.
Tissue Specificity	Keratinocyte,Placenta,Spleen,
Function	disease:Defects in COL7A1 are the cause of epidermolysis bullosa dystrophica (DEB) [MIM:131750, 226600]. DEB defines a group of blistering skin diseases characterized by tissue separation which occurs below the dermal-epidermal basement membrane at the level of the anchoring fibrils. Inheritance can be autosomal dominant or recessive. Various clinical types with different severity are recognized, ranging from severe mutilating forms to mild forms with limited and localized scarring, and less frequent extracutaneous manifestations. Mild forms include epidermolysis bullosa mitis and epidermolysis bullosa localisata., disease:Defects in COL7A1 are the cause of epidermolysis bullosa dystrophica



Bart type (B-DEB) [MIM:132000]. B-DEB is an autosomal dominant form of dystrophic epidermolysis bullosa characterized by congenital localized absence of skin, skin fragility and deformity of nails.,dis

Background

collagen type VII alpha 1 chain(COL7A1) Homo sapiens This gene encodes the alpha chain of type VII collagen. The type VII collagen fibril, composed of three identical alpha collagen chains, is restricted to the basement zone beneath stratified squamous epithelia. It functions as an anchoring fibril between the external epithelia and the underlying stroma. Mutations in this gene are associated with all forms of dystrophic epidermolysis bullosa. In the absence of mutations, however, an acquired form of this disease can result from an autoimmune response made to type VII collagen. [provided by RefSeq, Jul 2008]

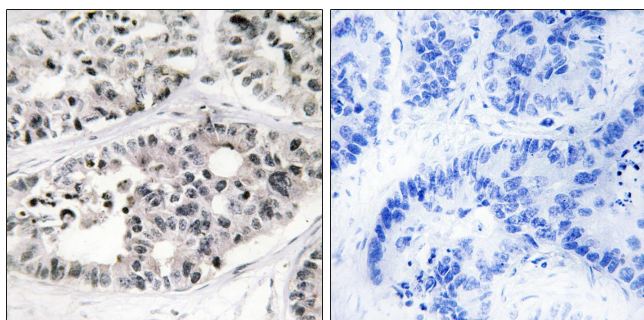
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Collagen VII alpha1 Antibody. The picture on the right is blocked with the synthesized peptide.