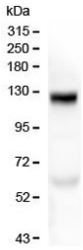
COL17A1 Antibody (RQ4957)

Catalog No.	Formulation	Size
RQ4957	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9UMD9
Applications	Western Blot : 0.5-1ug/ml
Limitations	This COL17A1 antibody is available for research use only.



Western blot testing of human placenta with COL17A1 antibody at 0.5ug/ml. Expected molecular weight ~120 kDa and ~180 kDa.

Description

Collagen XVII, previously called BP180, is a transmembrane protein which plays a critical role in maintaining the linkage between the intracellular and the extracellular structural elements involved in epidermal adhesion. It is mapped to 10q25.1. This gene encodes the alpha chain of type XVII collagen. Unlike most collagens, collagen XVII is a transmembrane protein. Collagen XVII is a structural component of hemidesmosomes, multiprotein complexes at the dermal-epidermal basement membrane zone that mediate adhesion of keratinocytes to the underlying membrane. Mutations in this gene are associated with both generalized atrophic benign and junctional epidermolysis bullosa. Two homotrimeric forms of type XVII collagen exist. The full length form is the transmembrane protein. A soluble form, referred

to as either ectodomain or LAD-1, is generated by proteolytic processing of the full length form.

Application Notes

Optimal dilution of the COL17A1 antibody should be determined by the researcher.

Immunogen

Amino acids KVFSAYSNVTADLMDFFQTYGAIQ from the human protein were used as the immunogen for the COL17A1 antibody.

Storage

After reconstitution, the COL17A1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.