For Research Use Only

Collagen Type VII Polyclonal antibody

Catalog Number:19799-1-AP

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Basic Information

Catalog Number:
19799-1-AP

Size:
150ul , Concentration: 400 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_000094

GeneID (NCBI):
1294

UNIPROT ID:
Q02388

Full Name:
collagen, type VII, alpha 1

Calculated MW:
295 kDa

Observed MW:
290 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : HeLa cells,

Background Information

COL7A1, also named as LC collagen, is a stratified squamous epithelial basement membrane protein that forms anchoring fibrils which may contribute to epithelial basement membrane organization and adherence by interacting with extracellular matrix (ECM) proteins such as type IV collagen. Defects in COL7A1 are the cause of epidermolysis bullosa dystrophica (DEB). Defects in COL7A1 are the cause of epidermolysis bullosa dystrophica Pasini type (P-DEB) which also known as albopapuloid dominant dystrophic epidermolysis bullosa. Defects in COL7A1 are the cause of epidermolysis bullosa dystrophica Hallopeau-Siemens type (HS-DEB). Defects in COL7A1 are the cause of transient bullous dermolysis of the newborn (TBDN). Defects in COL7A1 are the cause of epidermolysis bullosa dystrophica pretibial type (PR-DEB). Defects in COL7A1 are the cause of epidermolysis bullosa dystrophica Bart type (B-DEB). Defects in COL7A1 are the cause of epidermolysis bullosa pruriginosa (EBP). Defects in COL7A1 are the cause of isolated toenail dystrophy without skin fragility. Defects in COL7A1 are the cause of epidermolysis bullosa dystrophica with subcorneal cleavage (EBDSC) which also known as epidermolysis bullosa simplex superficialis (EBSS). This antibody is specific to COL7A1.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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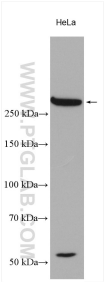
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 19799-1-AP (Collagen Type VII antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.