abcam

Product datasheet

Anti-Collagen VII antibody - BSA and Azide free ab93350

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Overview

Product name	Anti-Collagen VII antibody - BSA and Azide free
Description	Rabbit polyclonal to Collagen VII - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** ICC/IF
Species reactivity	**Reacts with:** Human, Common marmoset
Immunogen	Full length native protein (purified) corresponding to Human Collagen VII.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles.
Storage buffer	Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our Abpromise guarantee covers the use of ab93350 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		

Application notes

ELISA: Use at an assay dependent dilution.
EIA: Use at an assay dependent dilution.
Flow Cyt: Use at an assay dependent dilution.
ICC/IF: Use at a concentration of 2.5 - 10 µg/ml.
IP: Use at a concentration of 2.5 - 10 µg/ml.
WB: Use at a concentration of 0.2 - 0.8 µg/ml. Predicted molecular weight: 295 kDa.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

Function

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.

Involvement in disease

Epidermolysis bullosa acquisita (EBA) is an autoimmune acquired blistering skin disease resulting from autoantibodies to type VII collagen.
Epidermolysis bullosa dystrophica, autosomal dominant
Epidermolysis bullosa dystrophica, autosomal recessive
Epidermolysis bullosa dystrophica, Pasini type
Epidermolysis bullosa dystrophica, Hallopeau-Siemens type
Transient bullous dermolysis of the newborn
Epidermolysis bullosa dystrophica, pretibial type
Epidermolysis bullosa dystrophica, Bart type
Epidermolysis bullosa pruriginosa
Nail disorder, non-syndromic congenital, 8
Epidermolysis bullosa dystrophica, with subcorneal cleavage

Sequence similarities

Contains 1 BPTI/Kunitz inhibitor domain.
Contains 9 fibronectin type-III domains.
Contains 2 VWFA domains.

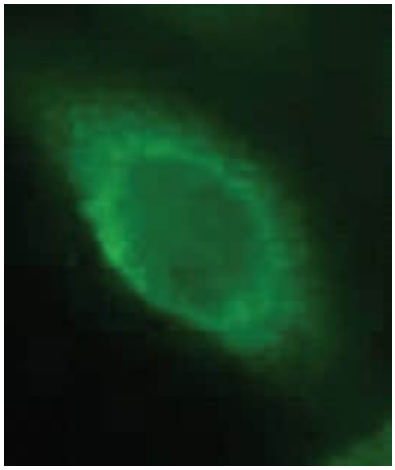
Post-translational modifications

Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.

Cellular localization

Secreted > extracellular space > extracellular matrix > basement membrane.

Images



Immunocytochemistry/ Immunofluorescence - Anti-Collagen VII antibody - BSA and Azide free (ab93350)

Immunofluorescence staining of Collagen VII in normal human keratinocytes. Second antibody for staining of cells: goat-anti-rabbit IgG Alexa 488

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