

Product datasheet

Anti-Collagen VII antibody ab93350

★★★★★ 2 Abreviews 6 References 1 Image

Overview

Product name	Anti-Collagen VII antibody
Description	Rabbit polyclonal to Collagen VII
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	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>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, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Storage buffer	Constituent: PBS

Purity	Affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

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
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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.

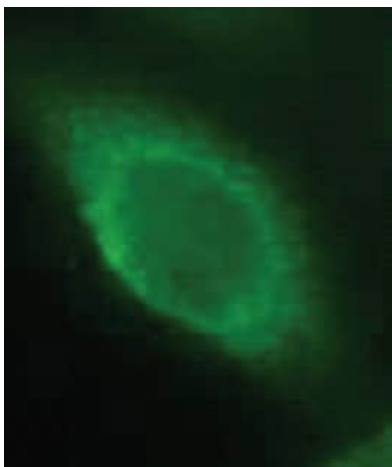
Post-translational modifications

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



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

Immunocytochemistry/ Immunofluorescence - Anti-Collagen VII antibody (ab93350)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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