abcam

Product datasheet

Anti-Collagen VII antibody [LH7.2] ab6312

★★★★★ **3 Abreviews**   **8 References**   1 Image

Overview

Product name	Anti-Collagen VII antibody [LH7.2]
Description	Mouse monoclonal [LH7.2] to Collagen VII
Host species	Mouse
Tested applications	**Suitable for:** IHC-Fr
Species reactivity	**Reacts with:** Human
Immunogen	Full length native protein (purified) corresponding to Human Collagen VII.
Epitope	Recognizes an epitope located on collagenase digested Type VII collagen (150kD), i.e. the non-helical carboxy terminal region of the Type VII collagen dimer. Immunoelectron microscopy shows antibody binding localised at the inferior border of the lamina densa.
Positive control	IHC-Fr: Human tonsil.
General notes	This product was changed from ascites to tissue culture supernatant on 25th October 2016. The following lot(s) is/are from ascites and is still in stock as of 25th October 2016 - GR158908. Lot numbers higher than GR158908 will be from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly."
	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

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Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
Purity	Proprietary Purification

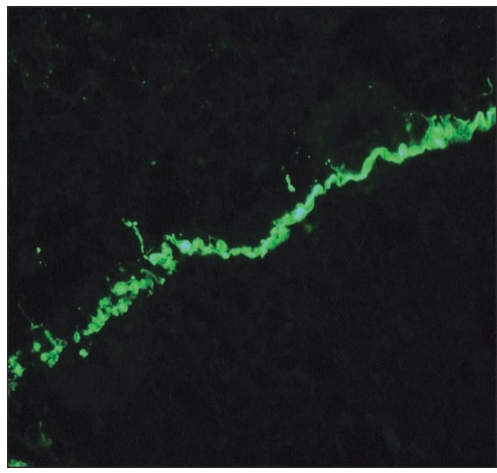|	
Purification notes	Purified from Tissue culture supernatant.
Clonality	Monoclonal
Clone number	LH7.2
Isotype	IgG1

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab6312 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
IHC-Fr	★★★★★ (2)	Use a concentration of 1.5 - 3 µg/ml.

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

Immunohistochemistry analysis of frozen acetone human tonsil sections labeling Collagen VII with ab6312 at 3 µg/mL followed by FITC-Anti-Mouse IgG.

Immunohistochemistry (Frozen sections) - Anti-Collagen VII antibody [LH7.2] (ab6312)

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

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