

Anti-Filaggrin antibody [FLG/1561] ab218395

★★★★★ [1 Abreviews](#) [5 References](#) [1 Image](#)

Overview

Product name	Anti-Filaggrin antibody [FLG/1561]
Description	Mouse monoclonal [FLG/1561] to Filaggrin
Host species	Mouse
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment within Human Filaggrin aa 998-1104. The exact sequence is proprietary. Database link: P20930
Positive control	Human skin tissue.
General notes	<p>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.</p> <p>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</p>

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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.05% BSA, 99% PBS
Purity	Protein G purified
Purification notes	ab218395 was purified from Bioreactor Concentrate by Protein A/G.
Clonality	Monoclonal
Clone number	FLG/1561
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab218395 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-P	★★★★★ (1)	Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. (Primary incubation for 30 minutes at RT).

Target

Function

Aggregates keratin intermediate filaments and promotes disulfide-bond formation among the intermediate filaments during terminal differentiation of mammalian epidermis.

Tissue specificity

Keratohyalin granules.

Involvement in disease

Ichthyosis vulgaris
Dermatitis atopic 2

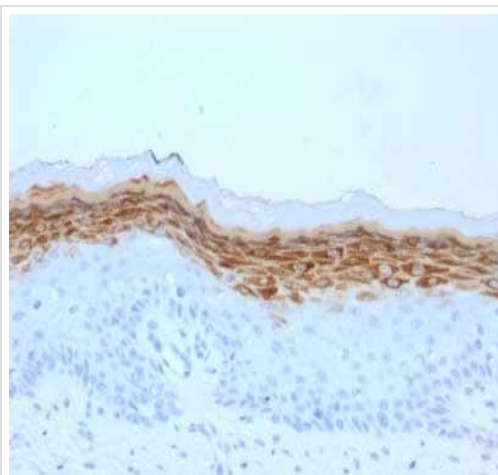
Sequence similarities

Belongs to the S100-fused protein family.
Contains 2 EF-hand domains.
Contains 23 filaggrin repeats.

Post-translational modifications

Filaggrin is initially synthesized as a large, insoluble, highly phosphorylated precursor containing many tandem copies of 324 AA, which are not separated by large linker sequences. During terminal differentiation it is dephosphorylated and proteolytically cleaved. The N-terminal of the mature protein is heterogeneous, and is blocked by the formation of pyroglutamate. Undergoes deimination of some arginine residues (citrullination).

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human skin tissue labeling Filaggrin with ab218395 at 1 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Filaggrin antibody [FLG/1561] (ab218395)

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

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