

Product datasheet

Anti-Filaggrin antibody [rFLG/1561] ab234414

Recombinant

2 Images

Overview

Product name	Anti-Filaggrin antibody [rFLG/1561]
Description	Mouse monoclonal [rFLG/1561] to Filaggrin
Host species	Mouse
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment within Human Filaggrin aa 198-288. The exact sequence is proprietary. Database link: P20930
Positive control	IHC-P: Human skin tissue.

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: PBS, 0.05% BSA
Purity	Protein A/G purified
Purification notes	Purified from Bioreactor Concentrate by Protein A/G.
Clonality	Monoclonal
Clone number	rFLG/1561
Isotype	IgG1

Applications

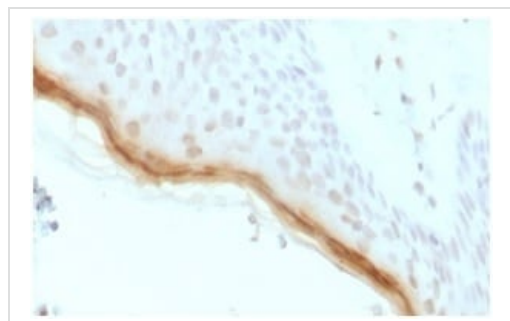
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab234414 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		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 room temperature.

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



Formalin-fixed, paraffin-embedded human skin tissue stained for Filaggrin using ab234414 at 1 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Filaggrin antibody [rFLG/1561] (ab234414)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Filaggrin antibody [rFLG/1561] (ab234414)

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

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