

## Product datasheet

# Anti-Filaggrin antibody [FLG/1957R] - BSA and Azide free ab236327

Recombinant

1 Image

### Overview

<b>Product name</b>	Anti-Filaggrin antibody [FLG/1957R] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [FLG/1957R] to Filaggrin - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human Filaggrin aa 198-288. The exact sequence is proprietary. Database link: <a href="#">P20930</a>
<b>Positive control</b>	IHC-P: Human skin tissue.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Constituent: PBS
<b>Purity</b>	Affinity purified
<b>Purification notes</b>	Purified from bioreactor concentrate by Protein A/G.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	FLG/1957R
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab236327** in the following tested applications.

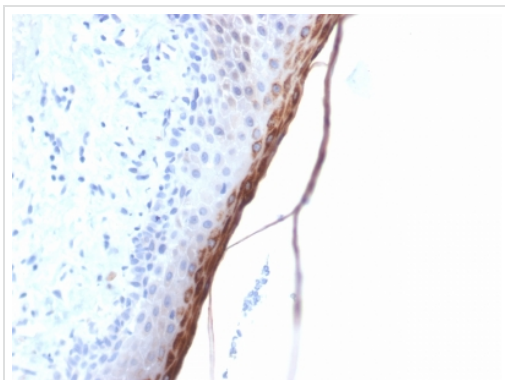
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at RT for 20 minutes. Incubate with primary antibody for 30 minutes at room temperature.

## Target

<b>Function</b>	Aggregates keratin intermediate filaments and promotes disulfide-bond formation among the intermediate filaments during terminal differentiation of mammalian epidermis.
<b>Tissue specificity</b>	Keratohyalin granules.
<b>Involvement in disease</b>	Ichthyosis vulgaris Dermatitis atopic 2
<b>Sequence similarities</b>	Belongs to the S100-fused protein family. Contains 2 EF-hand domains. Contains 23 filaggrin repeats.
<b>Post-translational modifications</b>	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 [ab234406](#) at 1 µg/ml in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide ([ab234406](#)).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Filaggrin antibody  
[FLG/1957R] - BSA and Azide free ([ab236327](#))

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