

Datasheet for ABIN6939387

Recombinant anti-Filaggrin antibody (AA 198-288)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	Filaggrin (FLG)
Binding Specificity:	AA 198-288
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Application:	Immunohistochemistry (IHC), Immunostaining (Ist), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human Filaggrin protein fragment (aa 198-288) (exact sequence is proprietary)
Clone:	RFLG-1561
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	Filaggrin (FLG)
Alternative Name:	FLG (FLG Products)
Background:	Filaggrin is an intermediate filament-associated protein that aggregates keratin intermediate filaments in mammalian epidermis. It is initially synthesized as a polypeptide precursor,

Target Details

profilaggrin (consisting of multiple filaggrin units of 324 aa each), which is localized in keratohyalin granules, and is subsequently proteolytically processed into individual functional filaggrin molecules. Active filaggrin is present at a level of the epidermis where keratinocytes are in transition between the live nucleated granular layer and the anucleate cornified layer, suggesting that filaggrin aids in the terminal differentiation process by facilitating apoptotic machinery.

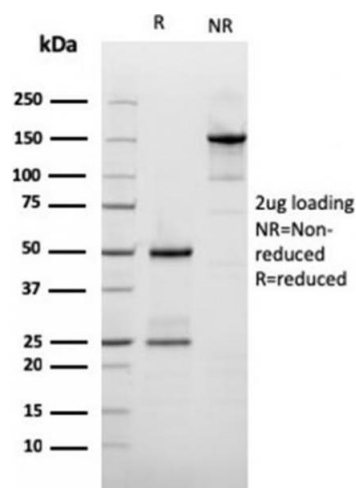
Molecular Weight:	26-45kDa (Processed), 350kDa (Profilaggrin)
Gene ID:	2312
UniProt:	P20930
Pathways:	Sensory Perception of Sound , Stem Cell Maintenance

Application Details

Application Notes:	Positive Control: U-251-MG cells. Skin. Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

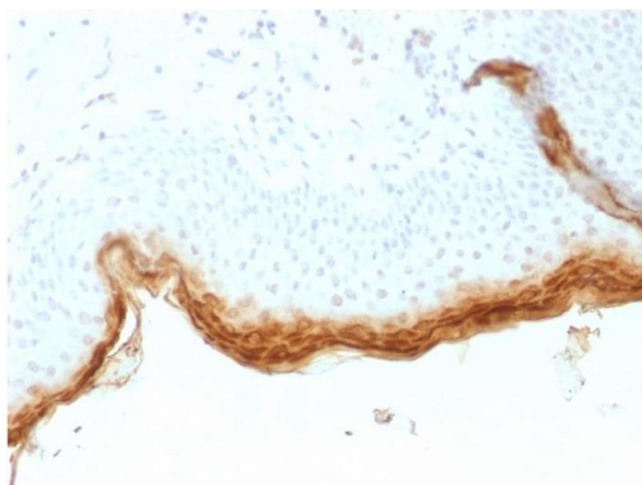
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Filaggrin Mouse Recombinant Monoclonal Antibody (rFLG/1561). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Skin stained with Filaggrin Mouse Recombinant Monoclonal Antibody (rFLG/1561).