Datasheet for ABIN6939382

anti-Filaggrin antibody (AA 198-288)

3 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	Filaggrin (FLG)
Binding Specificity:	AA 198-288
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Filaggrin antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunostaining (ISt), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human Filaggrin protein fragment (aa 198-288) (exact sequence is proprietary)
Clone:	FLG-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 polyprotein precursor,

Target Details

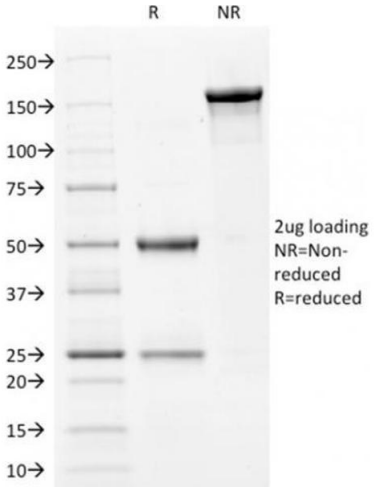
	profilaggrin (consisting of multiple filaggrin units of 324 aa each), which is localized in keratohyalin granules, and is subsequently proteolytically processed into individual functional filaggrin molecules.Active filaggrin is present at a level of the epidermis where keratinocytes are in transition 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

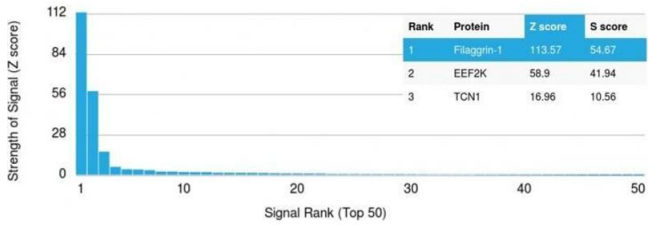
Handling

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



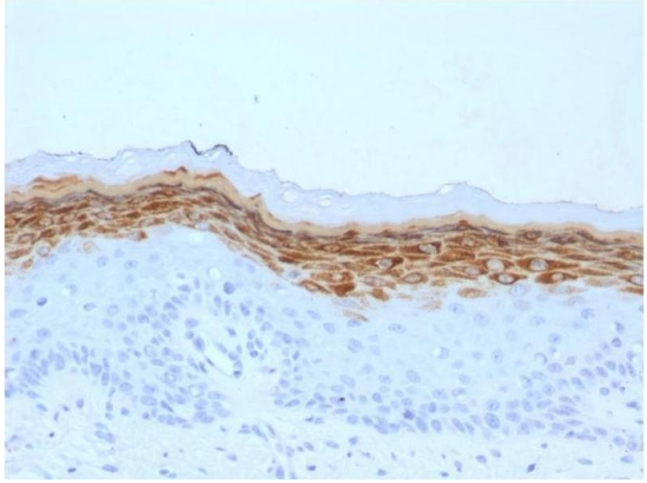
SDS-PAGE

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



Protein Array

Image 2. Analysis of Protein Array containing >19,000 full-length human proteins using Filaggrin Mouse Monoclonal Antibody (FLG/1561) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Skin stained with Filaggrin Mouse Monoclonal Antibody (FLG/1561).

