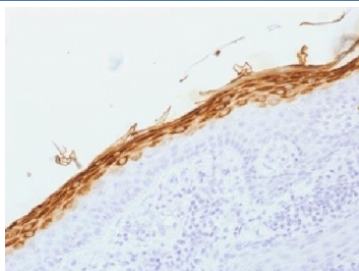


Filaggrin Antibody [clone FLG/1562] (V3331)

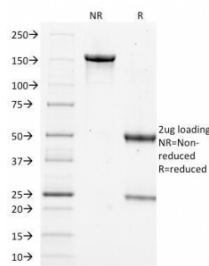
Catalog No.	Formulation	Size
V3331-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3331-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3331SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	FLG/1562
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P20930
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This Filaggrin antibody is available for research use only.



IHC testing of FFPE human skin with Filaggrin antibody (clone FLG/1562). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min.



SDS-PAGE Analysis of Purified, BSA-Free Filaggrin Antibody (clone FLG/1562).
Confirmation of Integrity and Purity of the Antibody.

Description

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

Application Notes

Optimal dilution of the Filaggrin antibody should be determined by the researcher.

Immunogen

Amino acids 198-288 of human FLG were used as the immunogen for this Filaggrin antibody.

Storage

Store the Filaggrin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).