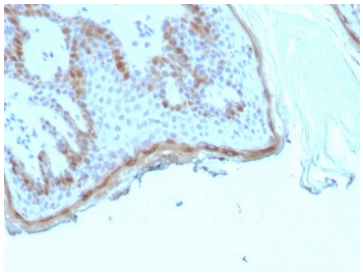
Recombinant FLG Antibody / Filaggrin [clone rFLG/1945] (V9389)

Catalog No.	Formulation	Size
V9389-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9389-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9389SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rFLG/1945
Purity	Protein A/G affinity
UniProt	P20930
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant FLG antibody is available for research use only.



Filaggrin Antibody Keratinocyte Differentiation IHC. Immunohistochemistry staining of FFPE human skin tissue with recombinant FLG antibody (clone rFLG/1945). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Filaggrin is an intermediate filament-associated protein that aggregates keratin intermediate filaments in mammalian epidermis. It is initially synthesized as a polyprotein 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.

Explore our Filaggrin Antibody / Epidermal Differentiation Marker page for additional validation data and research applications involving keratinocyte maturation, epithelial barrier biology, and dermatopathology-associated signaling pathways.

Application Notes

Optimal dilution of the recombinant FLG antibody should be determined by the researcher.

Immunogen

A portion of amino acids 198-288 was used as the immunogen for the recombinant FLG antibody.

Storage

Aliquot the recombinant FLG antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.