Filaggrin Polyclonal Antibody (R32006)

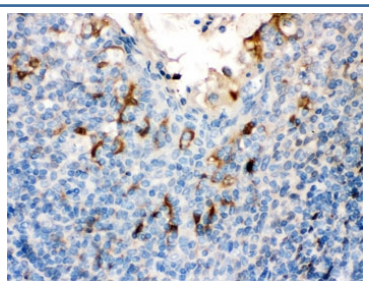
Catalog No.	Formulation	Size
R32006	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P20930
Applications	Western blot: 0.1-0.5ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This Filaggrin Polyclonal Antibody is available for research use only.



Filaggrin Polyclonal Antibody 22RV1 Cell WB. Western blot testing of human 22RV1 cell lysate with Filaggrin antibody. Predicted molecular weight ~434 kDa.



Filaggrin Polyclonal Antibody Tonsil IHC. Immunohistochemistry testing of FFPE human tonsil with Filaggrin antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

Filaggrin Polyclonal Antibody specifically detects Filaggrin protein. In humans, profillagrin is encoded by the FLG gene, which is part of the S100 fused-type protein (SFTP) family within the epidermal differentiation complex on chromosome 1q21. The protein encoded by this gene 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. Mutations in this gene are associated with ichthyosis vulgaris.

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 Filaggrin Polyclonal Antibody should be determined by the researcher.

Immunogen

Amino acids 1-261 of human Filaggrin were used as the immunogen for the Filaggrin Polyclonal Antibody.

Storage

After reconstitution, the Filaggrin Polyclonal Antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.