

Filaggrin Antibody (R32006)

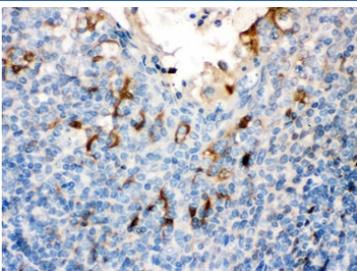
| Catalog No. | Formulation | Size |
|-------------|---|--------|
| R32006 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

[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 antibody is available for research use only. |



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



Filaggrin 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 Antibody specifically detects Filaggrin protein. In humans, profilaggrin 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 antibody should be determined by the researcher.

Immunogen

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

Storage

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