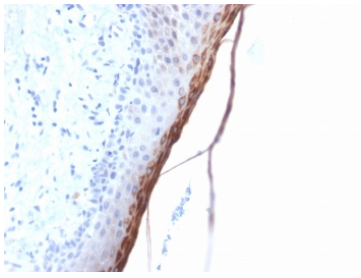
# Recombinant FLG Antibody FLG/1957R / Filaggrin Rabbit Monoclonal Antibody [clone FLG/1957R] (V3612)

| Catalog No. | Formulation | Size |
|---|---|---|
| V3612-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V3612-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V3612SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V3612IHC-7ML | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml |

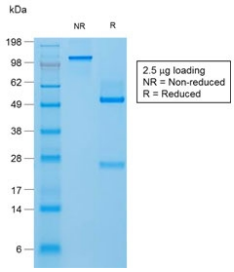
Recombinant RABBIT MONOCLONAL

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Recombinant Rabbit Monoclonal |
| **Isotype** | Rabbit IgG, kappa |
| **Clone Name** | FLG/1957R |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P20930 |
| **Localization** | Cytoplasmic |
| **Applications** | Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT |
| **Limitations** | This Recombinant FLG Antibody FLG/1957R / Filaggrin Rabbit Monoclonal Antibody is available for research use only. |



Recombinant FLG Antibody Skin IHC. Immunohistochemistry testing of FFPE human skin with Recombinant FLG Antibody FLG/1957R / Filaggrin Rabbit Monoclonal Antibody. Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.




SDS-PAGE analysis of purified, BSA-free recombinant FLG antibody (clone FLG/1957R) as confirmation of integrity and purity.

## Description

Recombinant FLG Antibody / Filaggrin Rabbit Monoclonal Antibody detects Filaggrin (FLG), 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 FLG/1957R / Filaggrin Rabbit Monoclonal Antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Amino acids 198-288 of human Filaggrin were used as the immunogen for this Recombinant FLG Antibody FLG/1957R.

## Storage

Store the Recombinant FLG Antibody FLG/1957R at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).


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