Filaggrin Rabbit mAb

Catalog NO.: A28376 Recombinant

Basic Information

Observed MW
Refer to figures

Calculated MW
435 kDa

Category
Monoclonal Antibodies

Applications
IF-P, IHC-P, ELISA

Cross-Reactivity
Human

Conjugation
Unconjugated

Clone number
ARC79014

Background

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.

Recommended Dilutions

IF-P	1:200 - 1:400
IHC-P	1:20000 - 1:80000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (⩾1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
2312

Swiss Prot
P20930

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
FLG1; ATOD2; FLG-1

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

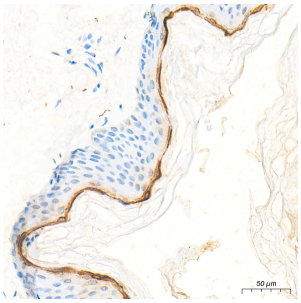
Source
Rabbit

Isotype
IgG

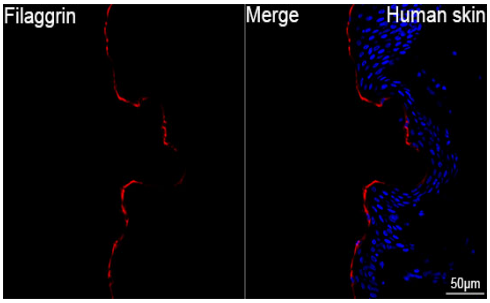
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human skin tissue using Filaggrin Rabbit mAb (A28376) at a dilution of 1:20000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Human skin tissue using Filaggrin Rabbit mAb (A28376, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

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