Datasheet for ABIN3044525

anti-Filaggrin antibody (AA 1-261)

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Overview

Quantity:	100 µg
Target:	Filaggrin (FLG)
Binding Specificity:	AA 1-261
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Filaggrin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Filaggrin(FLG) detection. Tested with WB, IHC-P in Human.
Immunogen:	E. coli-derived human Filaggrin recombinant protein (Position: M1-R261).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Filaggrin(FLG) detection. Tested with WB, IHC-P in Human. Gene Name: filaggrin Protein Name: Filaggrin
Purification:	Immunogen affinity purified.

Target Details

Target:	Filaggrin (FLG)
Alternative Name:	FLG (FLG Products)
Background:	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. Synonyms: Epidermal filaggrin antibody|FILA_HUMAN antibody|Filaggrin antibody|Filaggrin precursor antibody|Fillagrin antibody|FLG antibody| Profilaggrin antibody
Gene ID:	2312
UniProt:	P20930
Pathways:	Sensory Perception of Sound, Stem Cell Maintenance

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

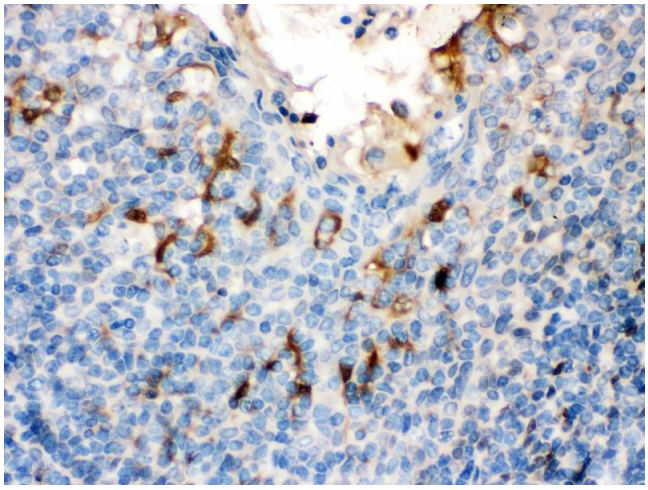
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Filaggrin was detected in paraffin-embedded sections of human Tonsil tissues using rabbit anti- Filaggrin Antigen Affinity purified polyclonal antibody at 1 µg/mL. The immunohistochemical section was developed using SABC method

Western Blotting

Image 2. Western blot analysis of Filaggrin expression in 22RV1 whole cell lysates (lane 1). Filaggrin at 435KD was detected using rabbit anti- Filaggrin Antigen Affinity purified polyclonal antibody at0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method