

anti-Human Filaggrin Polyclonal Antibody | anti-FLG antibody

Anti-Filaggrin Antibody

CATALOG # AAA46439	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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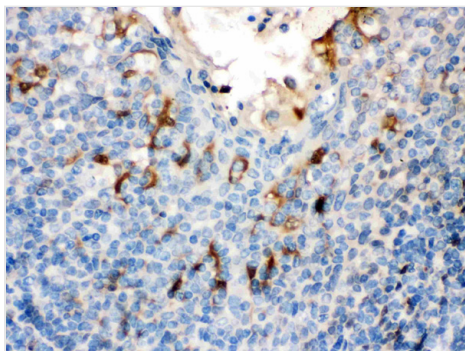
PRODUCT SYNONYMS

Filaggrin; Polyclonal Antibody; Anti-Filaggrin Antibody; Epidermal filaggrin; FILA_HUMAN; Filaggrin precursor; Fillagrin; FLG; Profilaggrin; filaggrin; anti-FLG antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	4061
Applicable Applications for anti-FLG antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Filaggrin recombinant protein (Position: M1-R261).
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

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



WB (Western Blot)

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 at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-FLG antibody	Description: Rabbit IgG polyclonal antibody for Filaggrin(FLG) detection. Tested with WB, IHC-P in Human. Background: 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.
References	1. Kyriiotou, Magdalini; Huber, Marcel; Hohl, Daniel (September 2012). "The human epidermal differentiation complex: cornified envelope precursors, S100 proteins and the 'fused genes' family". Experimental Dermatology 21 (9): 643-649. 2. Markova, NG; Marekov, LN; Chipev, CC; Gan, SQ; Idler, WW; Steinert, PM (January 1993). "Profilaggrin is a major epidermal calcium-binding protein.". Molecular and Cellular Biology 13 (1): 613-25.

NCBI AND UNIPROT INFORMATION

NCBI GI #	60097902
NCBI GeneID	2312
NCBI Accession #	NP_002007.1
NCBI GenBank Nucleotide #	NM_002016.1
UniProt Accession #	P20930; Q01720; Q5T583; Q9UC71
Molecular Weight	435,170 Da
NCBI Official Full Name	filaggrin
NCBI Official Synonym Full Names	filaggrin
NCBI Official Symbol	FLG
NCBI Official Synonym Symbols	ATOD2
NCBI Protein Information	filaggrin
UniProt Protein Name	Filaggrin
UniProt Gene Name	FLG
UniProt Entry Name	FILA_HUMAN

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