

Mouse Filaggrin Monoclonal Antibody | anti-FLG antibody

Filaggrin (Keratinocyte Differentiation Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62977	Mouse	Human. Others not tested.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

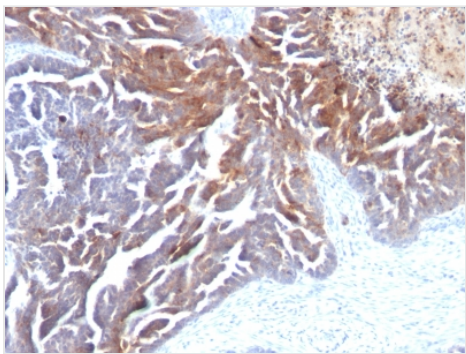
PRODUCT SYNONYMS

Filaggrin; Monoclonal Antibody; Filaggrin (Keratinocyte Differentiation Marker); ATOD2; Epidermal Filaggrin; Filaggrin precursor; Fillagrin; FLG; Profilaggrin; anti-FLG antibody

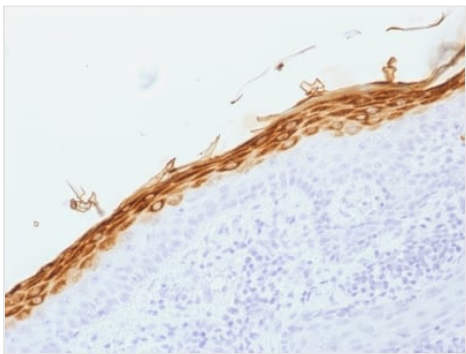
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not tested.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	FLG/1562
Specificity	Filaggrin is an intermediate filament-associated protein that aggregates keratin intermediate filaments in mammalian epidermis. It is initially synthesized as a polypeptide 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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	4061
Applicable Applications for anti-FLG antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant human Filaggrin protein fragment (aa 998-1104)
Cellular Localization	Cytoplasmic
Hu-chromosome Location	1q21.3
Positive Control	U-251-MG cells or Skin
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with TAG-72 Monoclonal Antibody (CC49).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Skin stained with Filaggrin Monoclonal Antibody (FLG/1562).

ADDITIONAL INFORMATION

References	Gan, S.Q., et al. 1990. Organization, structure, and polymorphisms of the human profilaggrin gene. Biochemistry 29: 9432-9440.
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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	26-45kDa (Processed); 350kDa (Profilaggrin)
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

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/filaggrin-antibody-clone-flg-1562-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62977>