

For Research Use Only

# Filaggrin Polyclonal antibody

Catalog Number: 26931-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 26931-1-AP	<b>GenBank Accession Number:</b> NM_002016	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 720 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2312	<b>Recommended Dilutions:</b> IHC: 1:300-1:1200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P20930	
<b>Isotype:</b> IgG	<b>Full Name:</b> filaggrin	
<b>Immunogen Catalog Number:</b> AG25389	<b>Calculated MW:</b> 435 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human paracancerous of skin squamous cell cancer tissue, human skin squamous cell cancer tissue
<b>Cited Applications:</b> IHC, IF	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Profilaggrin is a major protein component of the keratohyalin granules of mammalian epidermis. It is initially expressed as a large polyprotein precursor, which is subsequently proteolytically processed into individual functional filaggrin molecules. The free filaggrin binds to keratin intermediate filaments, causing their aggregation into microfibrils in which the intermediate filaments are aligned in tightly packed parallel arrays. Mutations in Filaggrin are associated with Ichthyosis vulgaris and Dermatitis atopica 2. (PMID: 19386895, 16550169)

## Notable Publications

Author	Pubmed ID	Journal	Application
Qianqian Zhang	41858149	J Cosmet Dermatol	IF
Yan Zhang	41617834	Sci Rep	IHC

## Storage

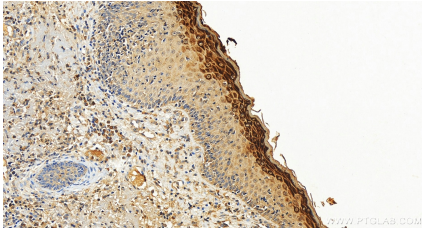
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

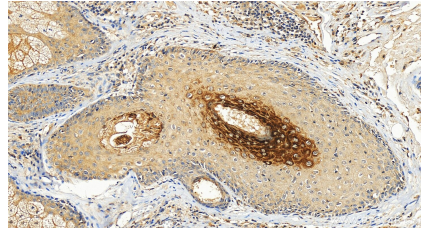
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

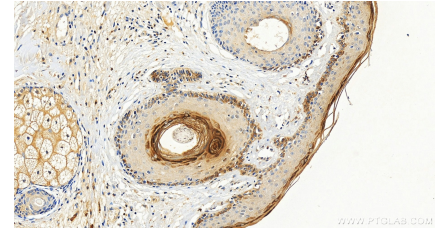
## Selected Validation Data



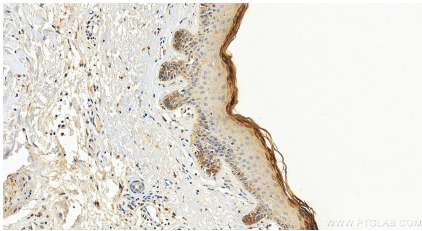
Immunohistochemical analysis of paraffin-embedded human skin squamous cell cancer tissue slide using 26931-1-AP (Filaggrin antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human skin squamous cell cancer tissue slide using 26931-1-AP (Filaggrin antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human paracancerous of skin squamous cell cancer tissue slide using 26931-1-AP (Filaggrin antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human paracancerous of skin squamous cell cancer tissue slide using 26931-1-AP (Filaggrin antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).