SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-FLG2 antibody

Catalog Number: SL16100R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FLG2
Immunogen:	KLH conjugated synthetic peptide derived from human FLG2: 41-150/2391
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat)
Predicted MW.:	248kDa
Subcellular Location:	The nucleus Extracellular matrix Secretory protein
Background:	Profilaggrin is a large, insoluble, highly phosphorylated precursor protein and major component of keratohyalin granules in the living cells of the epidermis. During terminal differentiation of the epidermis, profilaggrin is proteolytically processed into active Filaggrin molecules that promote aggregation and disulfide-bond formation of keratin intermediate filaments. 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. Filaggrin 2, also known as FLG2, Ifapsoriasin or IFPS (intermediate filament-associated and psoriasis-susceptibility protein), is a 2,391 amino acid protein

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	that shares common structural features with Filaggrin. Filaggrin 2 contains ten Filaggrin repeats, two EF-hand domains and belongs to both the S-100 and S100-fused protein families. **Similarity:** Belongs to the S100-fused protein family. In the N-terminal section; belongs to the S-100 family. Contains 2 EF-hand domains. Contains 10 filaggrin repeats. **Database links:** **Entrez Gene:** 388698 Human **SwissProt:** Q5D862 Human **Unigene:** 156124 Human

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