

**产品名称: FILA Rabbit Polyclonal Antibody**  
**产品货号: APRab10985**



## 产品概述 (Summary)

|                        |                                 |
|------------------------|---------------------------------|
| 产品名称 (Production Name) | FILA Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody      |
| 宿主 (Host)              | Rabbit                          |
| 应用 (Application)       | IHC, ICC/IF                     |
| 种属反应性 (Reactivity)     | Human, Rat, Mouse               |

## 产品性能 (Performance)

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                             |
| 修饰 (Modification)   | Unmodified                                                                               |
| 同种型 (Isotype)       | IgG                                                                                      |
| 克隆 (Clonality)      | Polyclonal                                                                               |
| 形式 (Form)           | Liquid                                                                                   |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.                |
| 纯化方式 (Purification) | Affinity purification                                                                    |

## 免疫原信息 (Immunogen)

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| 基因名 (Gene Name)        | FLG                                                                  |
| 别名 (Alternative Names) | FLG                                                                  |
| 基因 ID (Gene ID)        | 2312.0                                                               |
| 蛋白 ID (SwissProt ID)   | P20930.Synthesized peptide derived from part region of human protein |

## 产品应用 (Application)

|                          |                                   |
|--------------------------|-----------------------------------|
| 稀释比 (Dilution Ratio)     | IHC 1:50-1:300, ICC/IF 1:50-1:200 |
| 蛋白分子量 (Molecular Weight) | 446kDa                            |

## 研究背景 (Background)

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 polypeptide precursor, profilaggrin (consisting of multiple

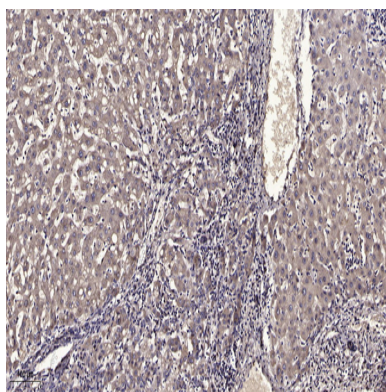
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filaggrin units of 324 aa each), which is localized in keratohyalin granules, and is subsequently proteolytically processed into individual functional filaggrin molecules. Mutations in this gene are associated with ichthyosis vulgaris.[provided by RefSeq, Dec 2009],disease:Defects in FLG are the cause of ichthyosis vulgaris (VI) [MIM:146700]; also known as ichthyosis simplex. Ichthyosis vulgaris is the most common form of ichthyosis inherited as an autosomal dominant trait. It is characterized by palmar hyperlinearity, keratosis pilaris and a fine scale that is most prominent over the lower abdomen, arms, and legs. Ichthyosis vulgaris is characterized histologically by absent or reduced keratohyalin granules in the epidermis and mild hyperkeratosis. The disease can be associated with frequent asthma, eczema or hay fever.,disease:Defects in FLG may be the cause of susceptibility to atopic dermatitis type 2 (ATOD2) [MIM:605803]. Atopic dermatitis, also known as eczema commonly begins in infancy or early childhood and is characterized by itchy and inflamed skin.,function:Aggregates keratin intermediate filaments and promotes disulfide-bond formation among the intermediate filaments during terminal differentiation of mammalian epidermis.,PTM:Filaggrin is initially synthesized as a large, insoluble, highly phosphorylated precursor containing many tandem copies of 324 AA, which are not separated by large linker sequences. During terminal differentiation it is dephosphorylated and proteolytically cleaved. The N-terminal of the mature protein is heterogeneous, and is blocked by the formation of pyroglutamate.,PTM:Undergoes deimination of some arginine residues (citrullination),similarity:Belongs to the S100-fused protein family.,similarity:Contains 2 EF-hand domains.,similarity:Contains 23 filaggrin repeats.,tissue specificity:Keratohyalin granules,

## 研究领域 (Research Area)

## 图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200 (4° overnight) .  
2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min) .

## 注意事项 (Note)

For research use only .