Best Tools for immunology Research

FILA2 rabbit pAb

Catalog No :	YT7074
Reactivity :	Human;Mouse
Applications :	WB
Target :	FILA2
Gene Name :	FLG2 IFPS
Protein Name :	FILA2
Human Gene Id :	388698
Human Swiss Prot No :	Q5D862
Mouse Gene Id :	229574
Mouse Swiss Prot No :	Q2VIS4
Immunogen :	Synthesized peptide derived from human FILA2 AA range: 402-452
Specificity :	This antibody detects endogenous levels of FILA2 at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1□500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 263kD

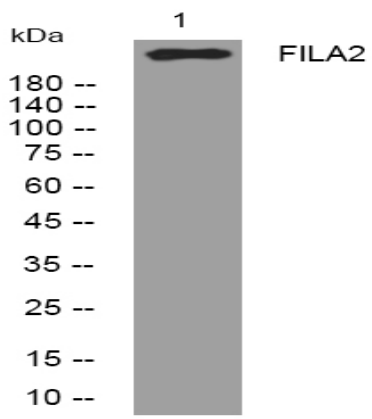
Background : The filaggrin-like protein encoded by this gene is upregulated by calcium, proteolyzed by calpain 1, and is involved in epithelial homeostasis. The encoded protein is required for proper cornification in skin, with defects in this gene being associated with skin diseases. This protein also has a function in skin barrier protection. In fact, in addition to providing a physical barrier, C-terminal fragments of this protein display antimicrobial activity against P. aeruginosa. [provided by RefSeq, Dec 2015],

Function : similarity:Belongs to the S100-fused protein family.,similarity:Contains 10 filaggrin repeats.,similarity:Contains 2 EF-hand domains.,similarity:In the N-terminal section; belongs to the S-100 family.,

Subcellular Location : Cytoplasm . Cytoplasmic granule . In the stratum corneum of the epidermis, dispersed diffusely throughout the cytoplasm, while in the stratum granulosum, localized within keratohyalin granules (PubMed:19384417) (PubMed:21531719). In granular keratinocytes and in lower corneocytes, colocalizes with calpain-1/CAPN1. .

Expression : Expressed in skin, thymus, stomach and placenta, but not detected in heart, brain, liver, lung, bone marrow, small intestine, spleen, prostate, colon, adrenal gland, kidney, pancreas, mammary gland, bladder, thyroid, salivary gland and trachea. Weakly expressed in esophagus, tonsils and testis (at protein level). In the skin, strongly expressed in the upper stratum granulosum and lower stratum corneum, but not detected in the upper stratum corneum (at protein level) (PubMed:19384417) (PubMed:21531719). In scalp hair follicles, mainly restricted within the granular and cornified cells surrounding the infundibular outer root sheath, with weak expression in central and proximal outer root sheath (at protein level). Tends to be down-regulated in sporiatic lesions compared to non-lesional skin

Products Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4°over night