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SPINK5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6869A

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9NQ38
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18954
Calculated MW	120714
Antigen Region	188-217

Additional Information

Gene ID	11005
Other Names	Serine protease inhibitor Kazal-type 5, Lympho-epithelial Kazal-type-related inhibitor, LEKTI, Hemofiltrate peptide HF6478, Hemofiltrate peptide HF7665, SPINK5
Target/Specificity	This SPINK5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 188-217 amino acids from the N-terminal region of human SPINK5.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SPINK5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SPINK5
Function	Serine protease inhibitor, probably important for the anti- inflammatory and/or antimicrobial protection of mucous epithelia. Contribute to the

integrity and protective barrier function of the skin by regulating the activity of defense-activating and desquamation- involved proteases. Inhibits KLK5, its major target, in a pH-dependent manner. Inhibits KLK7, KLK14 CASP14, and trypsin.

Cellular Location Secreted.

Tissue Location Highly expressed in the thymus and stratum corneum. Also found in the oral mucosa, parathyroid gland, Bartholin's glands, tonsils, and vaginal epithelium. Very low levels are detected in lung, kidney, and prostate.

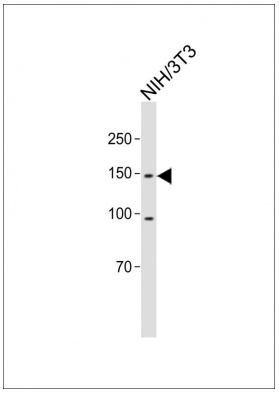
Background

SPINK5 is a multidomain serine protease inhibitor that contains 15 potential inhibitory domains. The inhibitor may play a role in skin and hair morphogenesis and anti-inflammatory and/or antimicrobial protection of mucous epithelia. Mutations may result in Netherton syndrome, a disorder characterized by ichthyosis, defective cornification, and atopy.

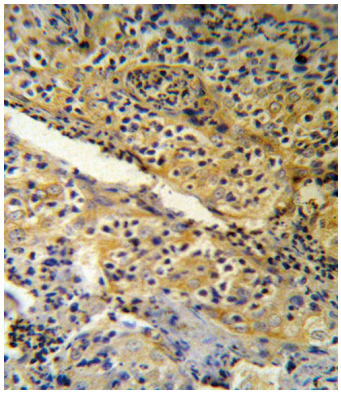
References

Nin,M., et.al., J. Dermatol. Sci. 54 (1), 17-24 (2009)

Images

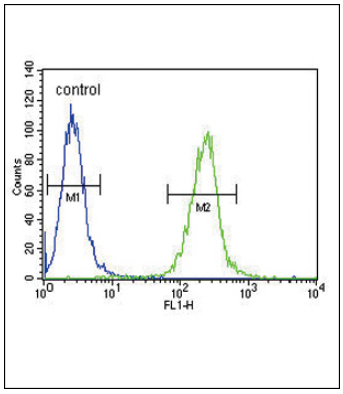


All lanes: Anti-SPINK5 Antibody (N-term) at 1:1000 dilution + NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 149 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



SPINK5 Antibody (N-term) (RB18954) IHC analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SPINK5 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

SPINK5 Antibody (N-term) (Cat. #AP6869a) flow cytometric analysis of A2058 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.