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SPINK5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6869A

Specification

SPINK5 Antibody (N-term) - Product Information

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

SPINK5 Antibody (N-term) - 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
FC~~1:10~50
IHC-P~~1:10~50
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. 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.

SPINK5 Antibody (N-term) - 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, it's major target, in a pH-dependent manner. Inhibits KLK7, KLK14 CASP14, and trypsin.

Cellular Location
Secreted.

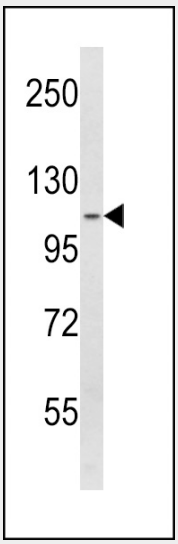
Tissue Location
Highly expressed in the thymus and stratum corneum. Also found in the oral mucosa, parathyroid gland, Bartholin's glands, tonsils, and vaginal epithelium. Very low levels are detected in lung, kidney, and prostate.

SPINK5 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SPINK5 Antibody (N-term) - Images



Western blot analysis of SPINK5 Antibody (N-term) (Cat. #AP6869a) in A2058 cell line lysates (35ug/lane). SPINK5 (arrow) was detected using the purified Pab.

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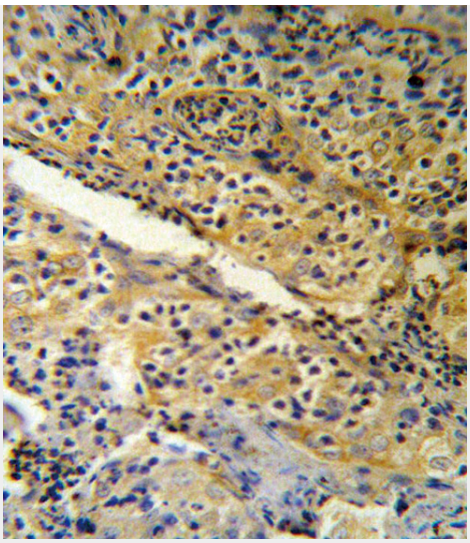
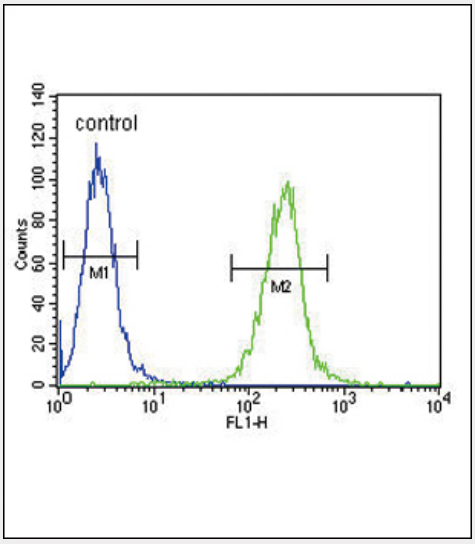


SPINK5 Antibody (N-term) (RB18954) IHC analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SPINK5 Antibody (N-term) for immunohistochemistry. Clinical relevance has not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

SPINK5 Antibody (N-term) - 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.

SPINK5 Antibody (N-term) - References

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