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SPINK5 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6869a

Specification

SPINK5 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9NQ38

SPINK5 Antibody (N-term) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP6869a was selected from the N-term region of human SPINK5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SPINK5 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

SPINK5 Antibody (N-term) Blocking Peptide - Images

SPINK5 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - References

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