

SPINK5 Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP6869a

Specification

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

Primary Accession

09N038

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



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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)