

Product datasheet

Anti-SPINK5/LEKTI antibody ab231136

3 Images

Overview

Product name	Anti-SPINK5/LEKTI antibody
Description	Rabbit polyclonal to SPINK5/LEKTI
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant fragment (His-T7-tag) corresponding to SPINK5/LEKTI aa 700-1000. (Expressed in E.coli). Database link: Q148R4

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control WB: Recombinant mouse SPINK5/LEKTI protein. IHC-P: Mouse esophagus tissue.

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 44.12% PBS, 55.77% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Purification notes	ab231136 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab231136 in the following tested applications.

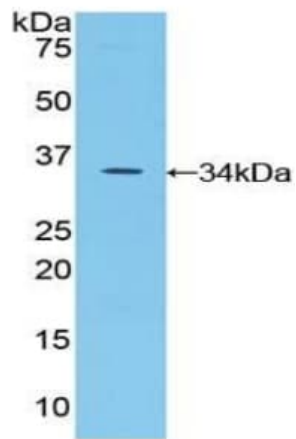
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 115 kDa.

Target

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.
Tissue specificity	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.
Involvement in disease	Defects in SPINK5 are the cause of Netherton syndrome (NETH) [MIM:256500]. NETH is an autosomal recessive congenital ichthyosis associated with hair shaft abnormalities and anomalies of the immune system. Typical features are ichthyosis linearis circumflexa, ichthyosiform erythroderma, trichorrhexis invaginata (bamboo hair), atopic dermatitis, and hayfever. High postnatal mortality is due to failure to thrive, infections and hypernatremic dehydration.
Sequence similarities	Contains 15 Kazal-like domains.
Domain	Contains at least one active inhibitory domain for trypsin (domain 6).
Post-translational modifications	Proteolytically processed by furin in individual domains (D1, D5, D6, D8 through D11, and D9 through D15) exhibiting various inhibitory potentials for multiple proteases.
Cellular localization	Secreted.

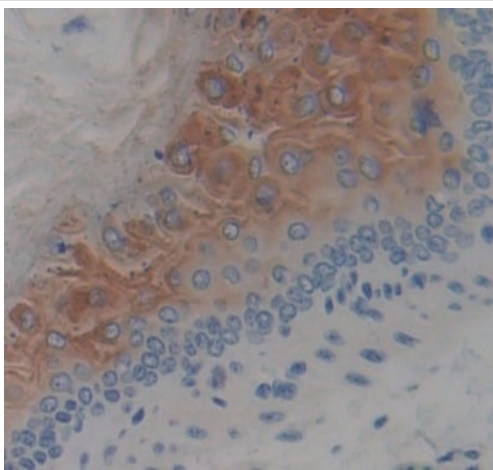
Images



Western blot - Anti-SPINK5/LEKTI antibody
(ab231136)

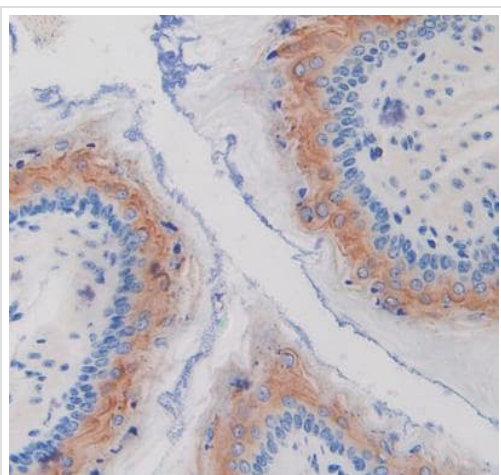
Anti-SPINK5/LEKTI antibody (ab231136) at 2 $\mu\text{g/ml}$ + Recombinant mouse SPINK5/LEKTI protein

Predicted band size: 115 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SPINK5/LEKTI antibody (ab231136)

Paraffin-embedded mouse esophagus tissue stained for SPINK5/LEKTI with ab231136 at 20 $\mu\text{g/ml}$ in immunohistochemical analysis. DAB staining.



Paraffin-embedded mouse esophagus tissue stained for SPINK5/LEKTI with ab231136 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SPINK5/LEKTI antibody (ab231136)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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