

#### DESCRIPTION

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|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human SPINK5 in direct ELISAs and Western blots.                                                                                                                                                                                                                    |
| <b>Source</b>             | Polyclonal Rabbit IgG                                                                                                                                                                                                                                                       |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | Human embryonic kidney cell line HEK293-derived recombinant human SPINK5<br>Glu626-Glu1064<br>Accession # Q9NQ38                                                                                                                                                            |
| <b>Conjugate</b>          | Alexa Fluor 750<br>Excitation Wavelength: 749 nm<br>Emission Wavelength: 775 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

#### BACKGROUND

LEKTI (Lympho-epithelial Kazal-type-related inhibitor; also SPINK5, Serine Protease Inhibitor Kazal-type 5) is a 150 kDa precursor protein that is cleaved into the following 2 chains: Hemofiltrate peptide HF6478 and Hemofiltrate peptide HF7665. LEKTI is a multidomain serine protease inhibitor that contains 15 Kazal-like inhibitory domains. It 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. It contains fifteen Kazal-like domains. Mature human SPINK5 shares 60% aa sequence identity with mouse SPINK5.

#### PRODUCT SPECIFIC NOTICES

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