

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SPINK5 in direct ELISAs and Western blots.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	Human embryonic kidney cell line HEK293-derived recombinant human SPINK5 Glu626-Glu1064 Accession # Q9NQ38
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	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.

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