Product Name: LEKTI Rabbit Polyclonal Antibody
Catalog #: APRab13280
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight	120kDa

Antigen Information

Gene Name	SPINK5
Alternative Names	SPINK5; Serine protease inhibitor Kazal-type 5; Lympho-epithelial Kazal-type-related inhibitor; LEKTI
Gene ID	11005.0
SwissProt ID	Q9NQ38
Immunogen	The antiserum was produced against synthesized peptide derived from human SPINK5. AA range:494-543

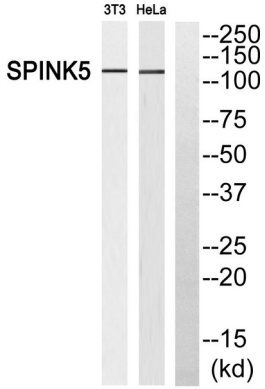
Background

This gene encodes a multidomain serine protease inhibitor that contains 15 potential inhibitory domains. The encoded preproprotein is proteolytically processed to generate multiple protein products, which may exhibit unique activities and specificities. These proteins may play a role in skin and hair morphogenesis, as well as anti-inflammatory and antimicrobial protection of mucous epithelia. Mutations in this gene may result in Netherton syndrome, a disorder characterized by ichthyosis, defective cornification, and atopy. This gene is present in a gene cluster on chromosome 5. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015],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.,domain:Contains at least one active inhibitory domain for trypsin (domain 6).,function:Serine protease inhibitor, probably important for the anti-inflammatory and/or antimicrobial protection of mucous epithelia.,online information:SPINK5 mutation db,similarity:Contains 15 Kazal-like domains.,tissue specificity:Highly expressed in the thymus. 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.,

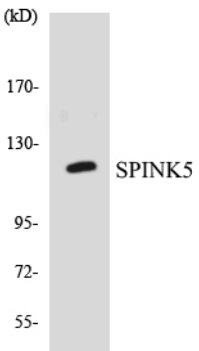
Research Area

Cell Biology

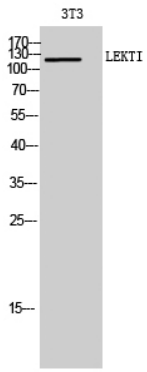
Image Data



Western blot analysis of SPINK5 Antibody. The lane on the right is blocked with the SPINK5 peptide.



Western blot analysis of the lysates from COLO205 cells using SPINK5 antibody.



Western Blot analysis of 3T3 cells using LEKTI Polyclonal Antibody