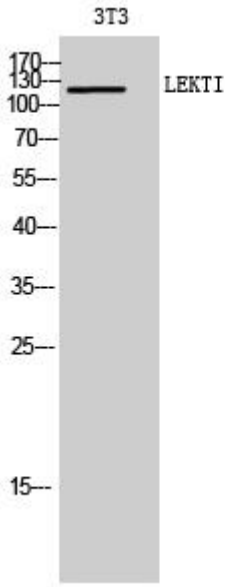
LEKTI Monoclonal Antibody

Catalog No	BYmab-13941
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	SPINK5
Protein Name	Serine protease inhibitor Kazal-type 5
Immunogen	The antiserum was produced against synthesized peptide derived from human SPINK5. AA range:494-543
Specificity	LEKTI Monoclonal Antibody detects endogenous levels of LEKTI protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SPINK5; Serine protease inhibitor Kazal-type 5; Lympho-epithelial Kazal-type-related inhibitor; LEKTI
Observed Band	120kD
Cell Pathway	Secreted.
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.
Function	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 e
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using LEKTI Monoclonal Antibody