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Rabbit Anti-LYNX1/Cy5.5 Conjugated antibody

SL18569R-Cy5.5

Product Name	Anti-LYNX1/Cy5.5
Chinese Name	Cy5.5 标记的 LYNX1 蛋白抗体
Alias	Ly-6/neurotoxin-like protein 1; Ly6/neurotoxin 1; LYNX1; LYNX1_HUMAN; Secreted Ly6/uPAR related protein 2; SLURP2.
Research Area	Cell biology immunology Neurobiology The cell membrane 受体 lymphocyte
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	12kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human LYNX1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** This gene encodes a member of the Ly-6/neurotoxin gene family, a group of lymphocyte antigens that attach to the cell surface by a glycosylphosphatidylinositol anchor and have a unique structure showing conserved 8-10 cysteine residues with a characteristic spacing pattern.

Functional analysis indicates that this protein is not a ligand or neurotransmitter but has the capacity to enhance nicotinic acetylcholine receptor function in the presence of acetylcholine. This gene may also play a role in the pathogenesis of psoriasis vulgaris. Alternatively spliced variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Function:
Acts in different tissues through interaction to nicotinic acetylcholine receptors (nAChRs). In brain, isoform 2 modulates functional properties of nAChRs to prevent excessive excitation, and hence neurodegeneration. Enhances desensitization by increasing both the rate and extent of desensitization of alpha4beta2 nAChRs and slowing recovery from desensitization. Promotes large amplitude ACh-evoked currents through alpha4beta2 nAChRs By similarity. Prevents plasticity in the primary visual cortex late in life By similarity. In keratinocytes, isoform 3 delays differentiation and prevents apoptosis.

Subunit:
Isoform 2 interacts with nAChRs, including alpha4beta2 (CHRNA4/CHRNB2) and alpha7 (CHRNA7) By similarity. Competes with alpha-bungarotoxin for nAChR alpha7 binding. Isoform 3 may interact with heteropentameric nAChRs expressed by keratinocytes.

Subcellular Location:
Cell membrane.

Tissue Specificity:
Isoform 3 is expressed at highest levels in cervix and esophagus, followed by adult and fetal skin. Expressed at lower levels in brain, lung, stomach, small intestine, colon, rectum, uterus, and thymus. Not detected in spleen nor bone marrow. In the epidermis, predominantly produced by keratinocytes of the suprabasal epidermal compartment (at protein level). In attached gingiva, produced at highest levels by basal cells located in the lowermost epithelial layers (at protein level). Up-regulated 3-fold in psoriatic lesional skin. Detected in serum (at protein level).

Similarity:
Contains 1 UPAR/Ly6 domain.

Database links:

Entrez Gene: 66004 Human

Entrez Gene: 23936 Mouse

Entrez Gene: 300018 Rat

Omim: 606110 Human

SwissProt: Q9BZG9 Human

SwissProt: Q9WVC2 Mouse

Unigene: 158665 Human

Unigene: 257067 Mouse

Unigene: 32045 Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.