

LSAMP Rabbit pAb

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Catalog # AP54369

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q13449
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37393
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LSAMP
Epitope Specificity	51-150/338
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	LSAMP is a neuronal surface glycoprotein found in cortical and subcortical regions of the limbic system expressed on the surface of somata and proximal dendrites of neurons. It is a member of the immunoglobulin (Ig) superfamily and belongs to the IgLON subfamily of cell adhesion molecules. LSAMP contains three Ig domains and a glycosylphosphatidylinositol anchor. It is a highly conserved protein between rodents and humans (99% sequence identity) and it is involved in the regulation of neurite outgrowth and mediation of proper circuit formation of limbic pathways. This suggests that LSAMP plays an important role in the development and function of the limbic system. In addition, LSAMP may function as a tumor suppressor in renal carcinomas.

Additional Information

Gene ID	4045
Other Names	Limbic system-associated membrane protein, LSAMP, IgLON family member 3, LSAMP, IGLON3, LAMP
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	LSAMP
Synonyms	IGLON3, LAMP
Function	Mediates selective neuronal growth and axon targeting. Contributes to the guidance of developing axons and remodeling of mature circuits in the limbic system. Essential for normal growth of the hippocampal mossy fiber projection (By similarity).
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor.
Tissue Location	Expressed on limbic neurons and fiber tracts as well as in single layers of the superior colliculus, spinal cord and cerebellum

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.