

For Research Use Only

LSAMP Polyclonal antibody

Catalog Number: 13600-1-AP



Basic Information

Catalog Number: 13600-1-AP	GenBank Accession Number: BC033803	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 133 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4045	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: limbic system-associated membrane protein	
Isotype: IgG	Calculated MW: 338 aa, 37 kDa	
Immunogen Catalog Number: AG4542	Observed MW: 64-68 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human brain tissue, mouse brain tissue
Species Specificity: human, mouse, rat	

Background Information

LSAMP, also known as LAMP, is a 64-68 kDa heavily glycosylated neural cell adhesion molecule expressed on the neuronal dendrites and somata (PMID: 1688937; 8666243). LSAMP is a member of the IgLON family. The amino acid sequence of LSAMP is highly conserved among species. Human LSAMP shares 99% amino acid sequence identity with rodent LSAMP. The impact of LSAMP protein on neurite outgrowth and neuronal connectivity has been established in a wide spectrum of psychiatric disorders in humans (PMID: 26136648). In mice, lack of LSAMP protein seemingly leads to a deterioration in the ability to adapt to novel stressful environments and stimuli (PMID: 22155487).

Storage

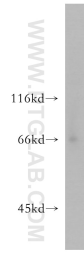
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 13600-1-AP (LSAMP antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.