

# LSAMP Polyclonal antibody

Catalog Number: **13600-1-AP**

## Basic Information

**Catalog Number:**

13600-1-AP

**Size:**

133 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4542

**GenBank Accession Number:**

BC033803

**GeneID (NCBI):**

4045

**UNIPROT ID:**

Q13449

**Full Name:**

limbic system-associated membrane protein

**Calculated MW:**

338 aa, 37 kDa

**Observed MW:**

64-68 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : human brain tissue, mouse brain tissue

## 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:**

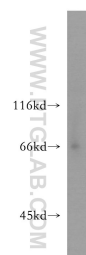
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.