

For Research Use Only

LIS1 Polyclonal antibody

Catalog Number: 20678-1-AP

2 Publications



Basic Information

Catalog Number:

20678-1-AP

Concentration:

950 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000430

GeneID (NCBI):

5048

UNIPROT ID:

P43034

Full Name:

platelet-activating factor
acetylhydrolase, isoform Ib, alpha
subunit 45kDa

Calculated MW:

47 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IHC : mouse brain tissue,

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Background Information

Platelet-activating factor acetylhydrolase 1B subunit alpha (LIS1), a critical mediator of neuronal migration in developing brain, is expressed throughout life. LIS1 forms a homodimer that interacts directly with the dynein complex and is essential for its enrichment at dynamic microtubule plus ends in mammalian cells. In addition to regulating the association of dynein with microtubule plus ends, LIS1 is required for efficient transport of many dynein-associated cargos and proper localization of Golgi complexes, endosomes, lysosomes, and mitochondria. The LIS1 protein has a calculated molecular mass of ~45 kDa.(PMID: 29150182, PMID: 29562183, PMID: 15800059)

Notable Publications

Author	Pubmed ID	Journal	Application
Guochao Liu	38344318	Iran J Biotechnol	WB,IHC
Dane Kawano	36147950	iScience	

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

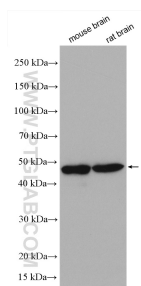
T: 4006900926

E: Proteintech-CN@ptglab.com

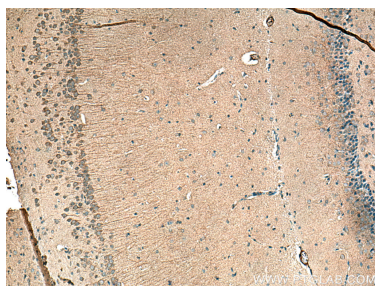
W: ptgcn.com

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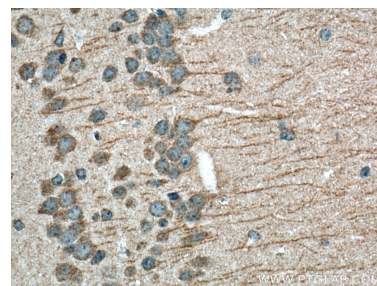
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20678-1-AP (LIS1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20678-1-AP (LIS1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20678-1-AP (LIS1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).