

For Research Use Only

# LIS1 Polyclonal antibody

Catalog Number: 20678-1-AP



## Basic Information

<b>Catalog Number:</b> 20678-1-AP	<b>GenBank Accession Number:</b> NM_000430	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 240 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5048	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> platelet-activating factor acetylhydrolase, isoform 1b, alpha subunit 45kDa	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 47 kDa	
	<b>Observed MW:</b> 45-50 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> mouse brain tissue, rat brain tissue
<b>Note-IHC:</b> <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	<b>IHC :</b> mouse brain tissue,

## 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)

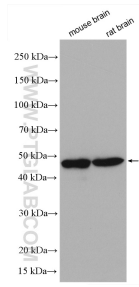
## Storage

**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**

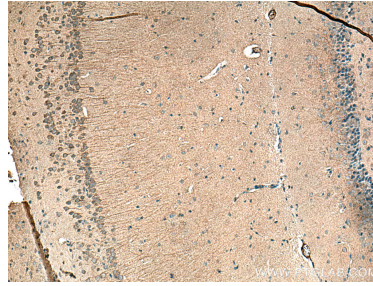
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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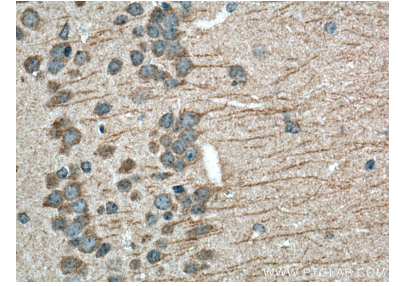
## Selected Validation Data



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).