

For Research Use Only

# LST1 Polyclonal antibody

Catalog Number: 21361-1-AP

Featured Product

1 Publications



## Basic Information

<b>Catalog Number:</b> 21361-1-AP	<b>GenBank Accession Number:</b> BC103856	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 450 µg/ml by Nanodrop and 340 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7940	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:200-1:800 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O00453	
<b>Isotype:</b> IgG	<b>Full Name:</b> leukocyte specific transcript 1	
<b>Immunogen Catalog Number:</b> AG15817	<b>Calculated MW:</b> 97 aa, 11 kDa	
	<b>Observed MW:</b> 10-15 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : THP-1 cells, mouse brain tissue, rat brain tissue IHC : mouse brain tissue, IF/ICC : HeLa cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

LST1 (Leukocyte Specific Transcript 1), also known as B144, is a small adaptor protein expressed in leukocytes of myeloid lineage. LST1 splice variants (LST1/A-LST1/N) have been detected in various cell types, and thought to affect mainly LST1 gene expression and splicing, are associated with inflammatory conditions (PMID: 10706707, PMID: 33986741). The molecular weight of LST1 protein may vary between different lysates.

## Notable Publications

Author	Pubmed ID	Journal	Application
Junyi Zhang	36754676	Braz J Otorhinolaryngol	WB

## Storage

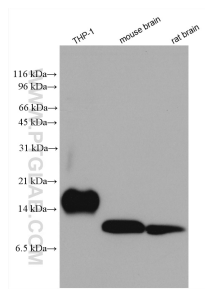
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

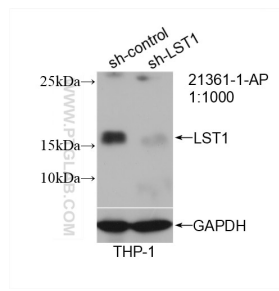
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

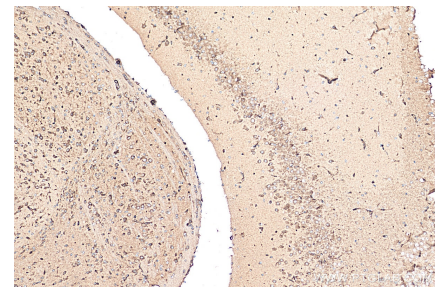
## Selected Validation Data



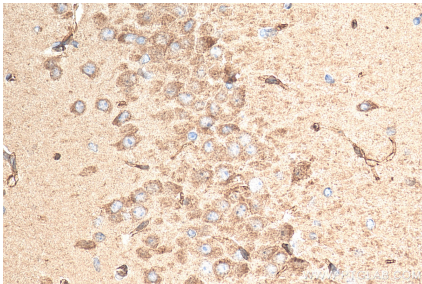
Various lysates were subjected to SDS PAGE followed by western blot with 21361-1-AP (LST1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of LST1 antibody (21361-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-LST1 transfected THP-1 cells.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21361-1-AP (LST1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using LST1 antibody (21361-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21361-1-AP (LST1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).