

For Research Use Only

# LST1 Polyclonal antibody

Catalog Number: 21361-1-AP

Featured Product

1 Publications



## Basic Information

**Catalog Number:**

21361-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG15817

**GenBank Accession Number:**

BC103856

**GeneID (NCBI):**

7940

**UNIPROT ID:**

O00453

**Full Name:**

Leukocyte specific transcript 1

**Calculated MW:**

97 aa, 11 kDa

**Observed MW:**

10-15 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

IHC 1:200-1:800

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

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

**Positive Controls:**

WB : THP-1 cells, mouse brain tissue, rat brain tissue

IHC : mouse brain tissue,

## 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

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

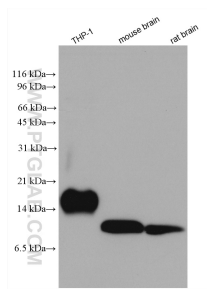
T: 4006900926

E: Proteintech-CN@ptglab.com

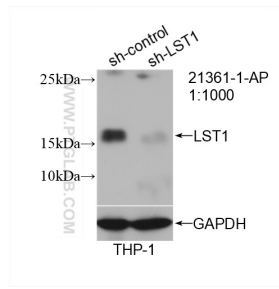
W: ptgcn.com

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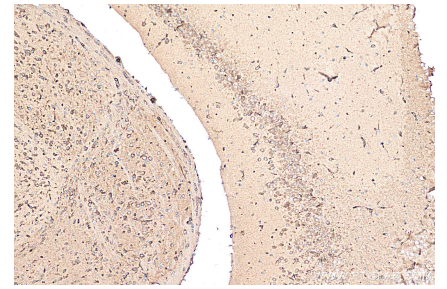
## Selected Validation Data



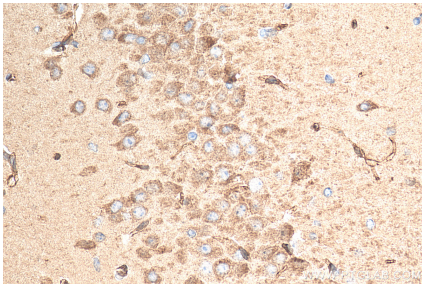
Various lysates were subjected to SDS PAGE followed by western blot with 21361-1-AP (LST1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).



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).