

For Research Use Only

# LBP Polyclonal antibody

Catalog Number: 23559-1-AP **7 Publications**



## Basic Information

**Catalog Number:**

23559-1-AP

**Size:**

700 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG13485

**GenBank Accession Number:**

BC022256

**GeneID (NCBI):**

3929

**UNIPROT ID:**

P18428

**Full Name:**

lipopolysaccharide binding protein

**Calculated MW:**

481 aa, 53 kDa

**Observed MW:**

53-60 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, mouse, bovine

**Positive Controls:**

WB : mouse liver tissue,

IP : mouse liver tissue,

## Background Information

LBP (lipopolysaccharide-binding protein) is an acute-phase protein, predominantly synthesized by hepatocytes. It is present in normal serum at concentrations of 5 to 10 µg/ml, rising up to 200 µg/ml 24 h after induction of an acute-phase response. LBP binds to the lipid A moiety of bacterial lipopolysaccharides (LPS), a glycolipid present in the outer membrane of all Gram-negative bacteria, and acts as an affinity enhancer for CD14, facilitating its association with LPS. (PMID: 9665271; 11598069)

## Notable Publications

Author	Pubmed ID	Journal	Application
Takahisa Watahiki	36290662	Antioxidants (Basel)	WB
Timothy A Reinhardt	32439417	J Proteomics	WB
Min Zhang	35069505	Front Microbiol	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:

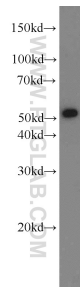
T: 4006900926

E: Proteintech-CN@ptglab.com

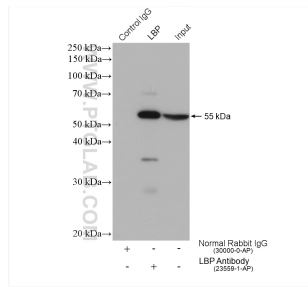
W: ptgcn.com

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## Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 23559-1-AP (LBP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-LBP (IP:23559-1-AP, 4ug; Detection:23559-1-AP 1:500) with mouse liver tissue lysate 3040 ug.