

For Research Use Only

# LBP Polyclonal antibody

Catalog Number: 23559-1-AP

2 Publications



## Basic Information

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

**Size:**  
150ul, Concentration: 700 µg/ml by Nanodrop and 387 µg/ml by Bradford method using BSA as the standard;

**Source:**  
Rabbit

**Isotype:**  
IgG

**Immunogen Catalog Number:**  
AG13485

**GenBank Accession Number:**  
BC022256

**GeneID (NCBI):**  
3929

**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 IP and 1:500-1:1000 for WB

## Applications

**Tested Applications:**  
IP, WB, ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
bovine, human

**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
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

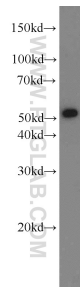
For technical support and original validation data for this product please contact:

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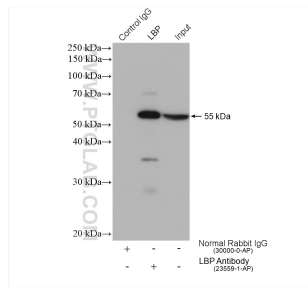
E: proteintech@ptglab.com  
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## Selected Validation Data



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.