

For Research Use Only

# LBP Polyclonal antibody

Catalog Number: 23559-1-AP **8 Publications**



## Basic Information

<b>Catalog Number:</b> 23559-1-AP	<b>GenBank Accession Number:</b> BC022256	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 700 ug/ml by Nanodrop and 387 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3929	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P18428	
<b>Isotype:</b> IgG	<b>Full Name:</b> lipopolysaccharide binding protein	
<b>Immunogen Catalog Number:</b> AG13485	<b>Calculated MW:</b> 481 aa, 53 kDa	
	<b>Observed MW:</b> 53-60 kDa	

## Applications

<b>Tested Applications:</b> WB, IP, ELISA	<b>Positive Controls:</b> WB : mouse liver tissue, IP : mouse liver tissue,
<b>Cited Applications:</b> WB, IF, IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, rat, mouse, bovine	

## 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

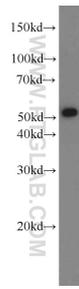
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

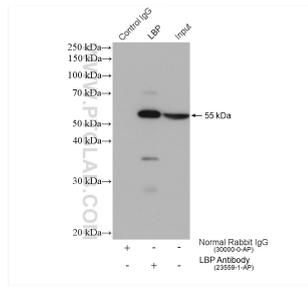
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## Selected Validation Data



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.