

LBP Polyclonal antibody

Catalog Number: 23559-1-AP

8 Publications

Basic Information

Catalog Number:

23559-1-AP

Size:

700 μ g/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 μ g 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 μ g/ml, rising up to 200 μ g/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

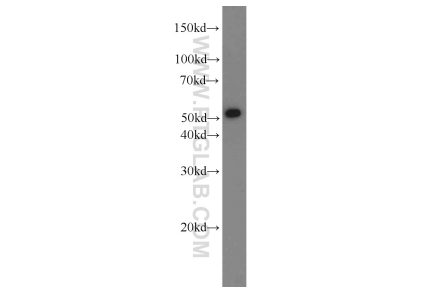
For technical support and original validation data for this product please contact:

T: 4006900926

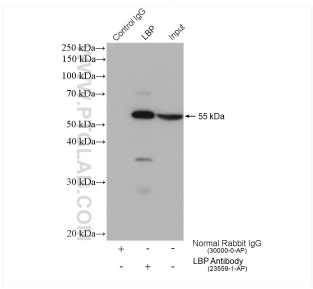
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Selected Validation Data



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.