

## LBP Polyclonal antibody

Catalog Number: 11836-1-AP

3 Publications

## Basic Information

## Catalog Number:

11836-1-AP

## Size:

150 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG2431

## GenBank Accession Number:

BC022256

## GeneID (NCBI):

3929

## UNIPROT ID:

P18428

## Full Name:

lipopolysaccharide binding protein

## Calculated MW:

481 aa, 53 kDa

## Observed MW:

63-67 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

IHC 1:50-1:500

IF/ICC 1:20-1:200

## Applications

## Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

## Cited Applications:

WB, IHC

## Species Specificity:

human, mouse, rat

## Cited Species:

human, rat

**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**: mouse liver tissue, A431 cells, A549 cells, HeLa cells, Jurkat cells, L02 cells, rat liver tissue

**IP**: mouse liver tissue,

**IHC**: human liver tissue,

**IF/ICC**: L02 cells, HepG2 cells

## Background Information

LBP belongs to the BPI/LBP/Plunc superfamily and BPI/LBP family. It binds to the lipid A moiety of bacterial lipopolysaccharides (LPS) which is a glycolipid present in the outer membrane of all Gram-negative bacteria. The LBP/LPS complex seems to interact with the CD14 receptor. LBP is involved in the acute-phase immunologic response to gram-negative bacterial infections. In many tissue/cells, we get 53-60 kDa and 63-67 kDa (Glycosylation form).

## Notable Publications

Author	Pubmed ID	Journal	Application
Nataliya Smith	31628293	J Neurosurg	
Takafumi Kobayashi	31714656	J Biomed Mater Res A	IHC
Ning Wang	29573061	Cancer Sci	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

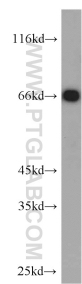
For technical support and original validation data for this product please contact:

T: 4006900926

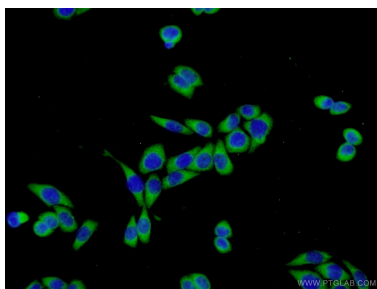
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

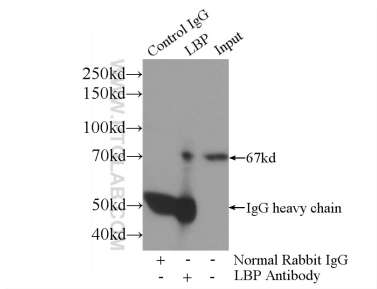
Selected Validation Data



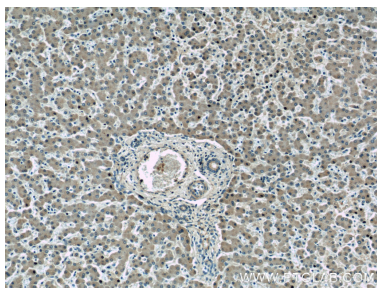
mouse liver tissue were subjected to SDS PAGE followed by western blot with 11836-1-AP (LBP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



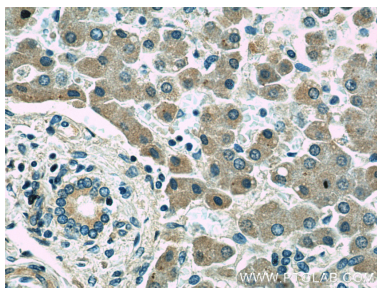
Immunofluorescent analysis of L02 cells using 11836-1-AP (LBP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



IP result of anti-LBP (IP:11836-1-AP, 4ug; Detection:11836-1-AP 1:1000) with mouse liver tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human liver slide using 11836-1-AP (LBP Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human liver slide using 11836-1-AP (LBP Antibody) at dilution of 1:50.