

For Research Use Only

LBP Polyclonal antibody

Catalog Number: 11836-1-AP **3 Publications**



Basic Information

Catalog Number: 11836-1-AP	GenBank Accession Number: BC022256	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 150 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3929	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF/ICC 1:20-1:200
Source: Rabbit	UNIPROT ID: P18428	
Isotype: IgG	Full Name: lipopolysaccharide binding protein	
Immunogen Catalog Number: AG2431	Calculated MW: 481 aa, 53 kDa	
	Observed MW: 63-67 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	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
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	

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

*** 20ul sizes contain 0.1% BSA

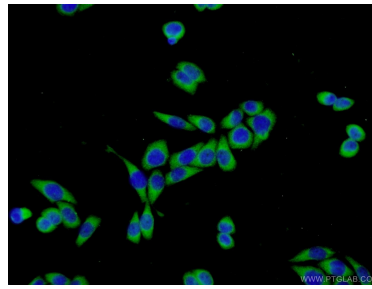
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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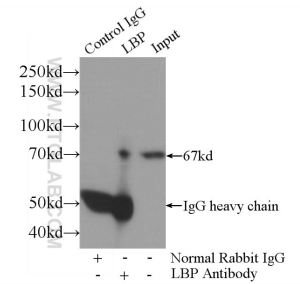
Selected Validation Data



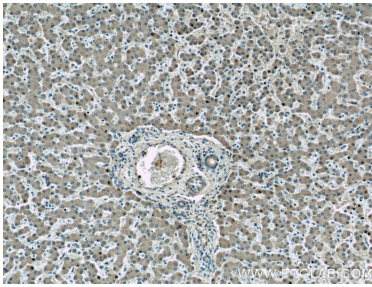
mouse liver tissue were subjected to SDS PAGE followed by western blot with 11836-1-AP (LBP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



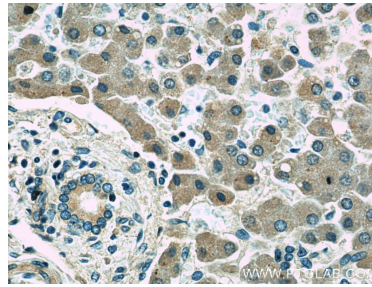
Immunofluorescent analysis of L02 cells using 11836-1-AP (LBP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



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.