

For Research Use Only

# FABP1 Monoclonal antibody

Catalog Number: 68227-1-Ig



## Basic Information

<b>Catalog Number:</b> 68227-1-Ig	<b>GenBank Accession Number:</b> BC032801	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2168	<b>CloneNo.:</b> 1B6C8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P07148	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> fatty acid binding protein 1, liver	
<b>Immunogen Catalog Number:</b> AG32836	<b>Calculated MW:</b> 127 aa, 14 kDa	
	<b>Observed MW:</b> 14 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra), ELISA	<b>Positive Controls:</b> WB : rat liver tissue, pig liver tissue, mouse liver tissue
<b>Species Specificity:</b> human, mouse, rat, pig	

## Background Information

FABP1, liver fatty acid-binding protein, is abundant in cytoplasm that regulates lipid transport and metabolism. It plays a role in lipoprotein-mediated cholesterol uptake in hepatocytes (PMID:25732850). FABP1 is mainly expressed in hepatocytes, enterocytes and to a lesser degree in renal tubular cells, associated with liver injury (PMID: 15653098). Levels of FABP1 was elevated in patients with hepatocyte injury secondary to alcohol or drug toxicity (PMID: 14563446).

## 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

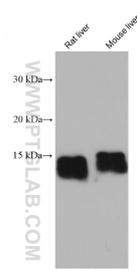
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

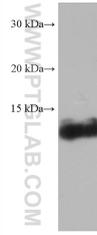
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

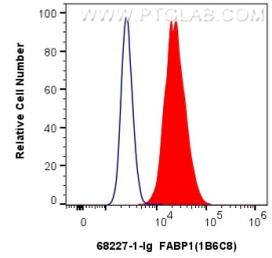
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68227-1-Ig (FABP1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



pig liver tissue were subjected to SDS PAGE followed by western blot with 68227-1-Ig (FABP1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.8 ug FABP1 Monoclonal antibody (68227-1-Ig, Clone:1B6C8) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.8 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).