

For Research Use Only

# FABP1 Monoclonal antibody

Catalog Number: 68227-1-Ig



## Basic Information

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

## Applications

Tested Applications:	WB, FC (Intra), ELISA	Positive Controls:	WB : rat liver tissue, pig liver tissue, mouse liver tissue
Species Specificity:	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

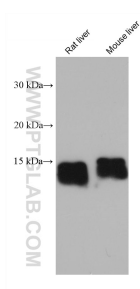
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

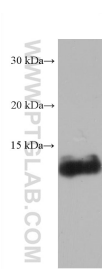
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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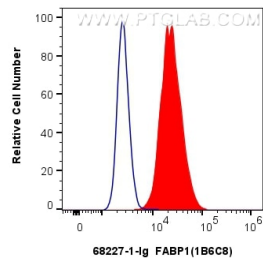
## Selected Validation Data



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).