

For Research Use Only

# FBP1 Monoclonal antibody, PBS Only

Catalog Number: 68446-1-PBS



## Basic Information

Catalog Number:	68446-1-PBS	GenBank Accession Number:	BC012927	Purification Method:	Protein A purification
Size:	1mg/ml	GeneID (NCBI):	2203	CloneNo.:	2G4E4
Source:	Mouse	UNIPROT ID:	P09467		
Isotype:	IgG2a	Full Name:	fructose-1,6-bisphosphatase 1		
Immunogen Catalog Number:	AG3837	Calculated MW:	338 aa, 37 kDa		
		Observed MW:	37-40 kDa		

## Applications

**Tested Applications:**  
WB, IF, IHC, Indirect ELISA

**Species Specificity:**  
Human, Mouse, Rat, Pig

## Background Information

FBP1 (Fructose-1,6-bisphosphatase 1) is also named as FBP and belongs to the FB Pase class 1 family. It catalyzes the hydrolysis of fructose-1,6 bisphosphate to fructose-6-phosphate and inorganic phosphate. This reaction is an important regulatory site of gluconeogenesis. Defects in FBP1 are the cause of fructose-1,6-bisphosphatase deficiency (FBPD) (PMID:12126934).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

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

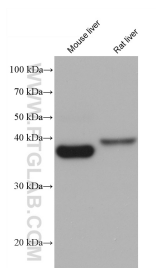
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

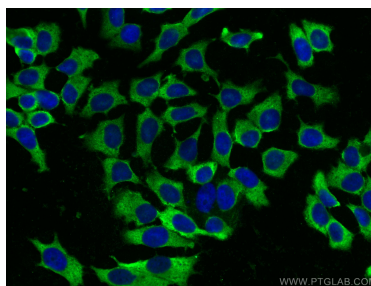
W: [ptgcn.com](http://ptgcn.com)

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

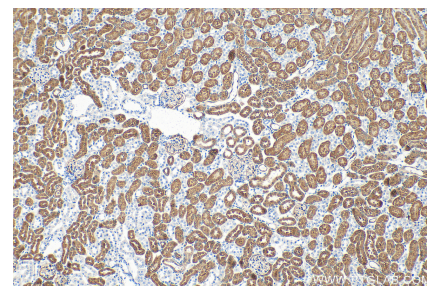
## Selected Validation Data



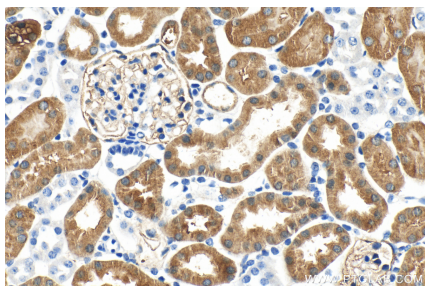
Various lysates were subjected to SDS PAGE followed by western blot with 68446-1-Ig (FBP1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68446-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using FBP1 antibody (68446-1-Ig, Clone: 2G4E4 ) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68446-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 68446-1-Ig (FBP1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68446-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 68446-1-Ig (FBP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68446-1-PBS in a different storage buffer formulation.