

For Research Use Only

# FBP1 Monoclonal antibody, PBS Only

Catalog Number: 68446-1-PBS



## Basic Information

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

## Applications

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

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

## Background Information

FBP1 (Fructose-1,6-bisphosphatase 1) is also named as FBP and belongs to the FBPase 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:

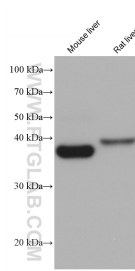
T: 4006900926

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

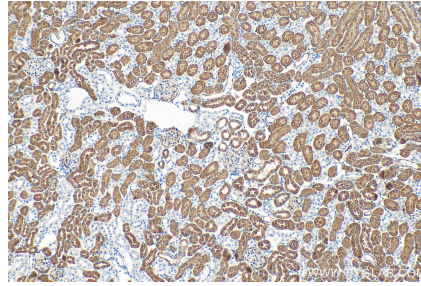
W: [ptgcn.com](http://ptgcn.com)

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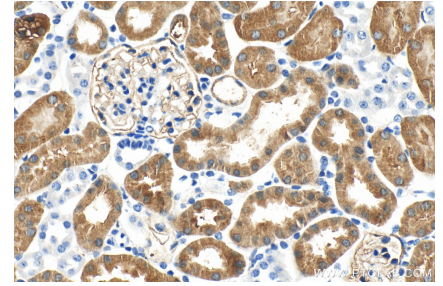
## Selected Validation Data



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.



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.