

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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

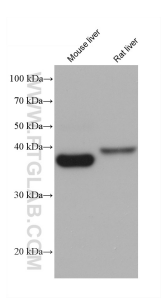
T: 4006900926

E: Proteintech-CN@ptglab.com

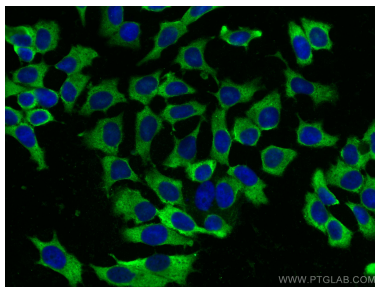
W: ptgcn.com

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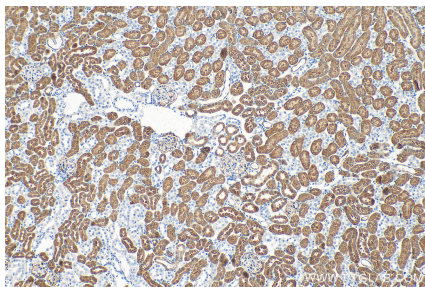
Selected Validation Data



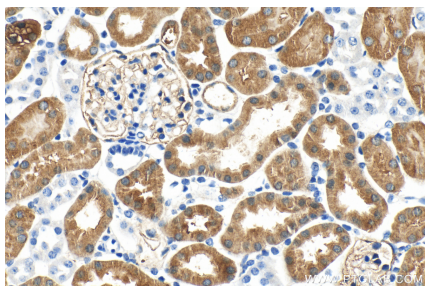
Various lysates were subjected to SDS PAGE followed by western blot with 68446-1-Ig (FBP1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68446-1-PBS in a different storage buffer formulation.



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.