

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: 100ug , Concentration: 1mg/ml by Nanodrop;	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 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

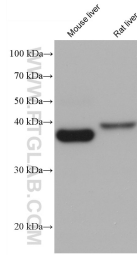
For technical support and original validation data for this product please contact:

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

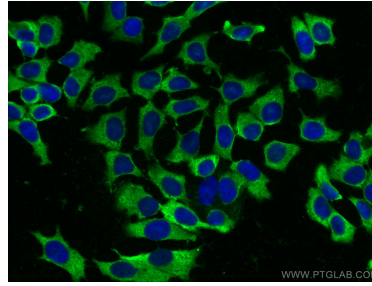
E: proteintech@ptglab.com
W: ptglab.com

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

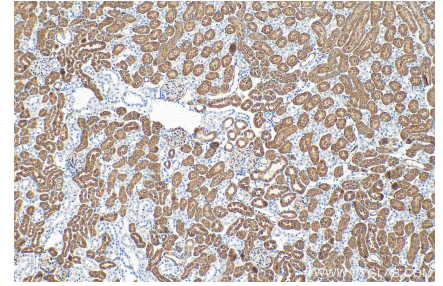
Selected Validation Data



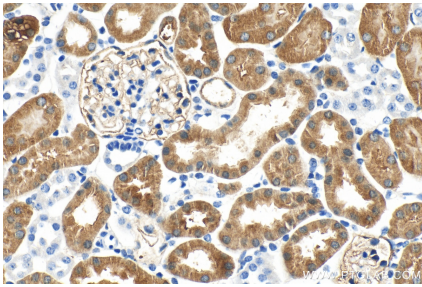
Various lysates were subjected to SDS PAGE followed by western blot with 68446-1-Ig (FBP1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68446-1-PBS in a different storage buffer formulation.



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.