For Research Use Only

FBP1 Monoclonal antibody

Catalog Number:68446-1-Ig

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Basic Information

Catalog Number:
68446-1-Ig

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG3837

GenBank Accession Number:
BC012927

GeneID (NCBI):
2203

UNIPROT ID:
P09467

Full Name:
fructose-1,6-bisphosphatase 1

Calculated MW:
338 aa, 37 kDa

Observed MW:
37-40 kDa

Purification Method:
Protein A purification

CloneNo.:
2G4E4

Recommended Dilutions:
WB 1:5000-1:40000
IHC 1:1000-1:4000
IF/ICC 1:400-1:1600

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
Human, Mouse, Rat, Pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse liver tissue, MCF-7 cells, T-47D cells, pig liver tissue, rat liver tissue

IHC : mouse kidney tissue,

IF/ICC : MCF-7 cells,

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 -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
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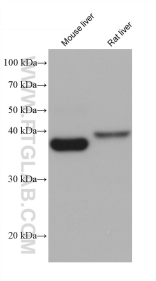
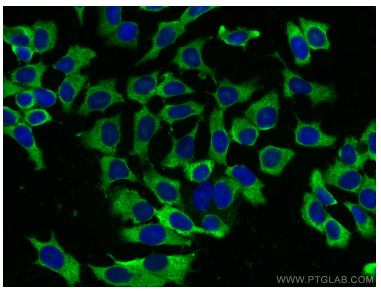
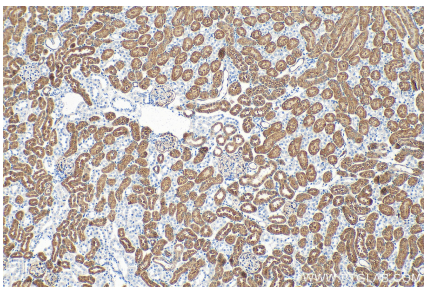
Selected Validation Data



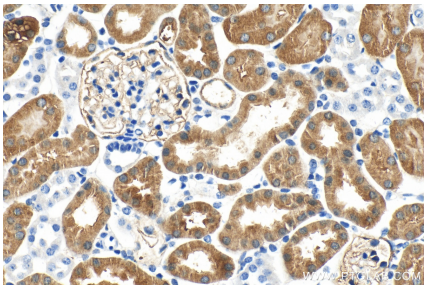
Various lysates were subjected to SDS PAGE followed by western blot with 68446-1-Ig (FBP1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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).



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).



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).