For Research Use Only

FBP1 Polyclonal antibody, PBS Only

Catalog Number:12842-1-PBS Featured Product

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Basic Information

Catalog Number:
12842-1-PBS

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

Source:
Rabbit

Isotype:
IgG

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:
Antigen affinity purification

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

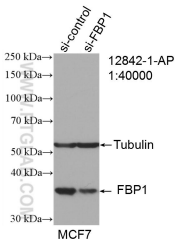
FBP1 (Fructose-1,6-bisphosphatase 1) is also named as FBP and belongs to the FBPase class 1 family. It catalyzes the hydrolysis of fructose-1,6 bisphosphate to fructose-6-phosphate and inorganic phosphate. This reaction is an important regulatory site of gluconeogenesis. Defects in FBP1 are the cause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

Storage

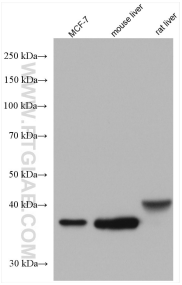
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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

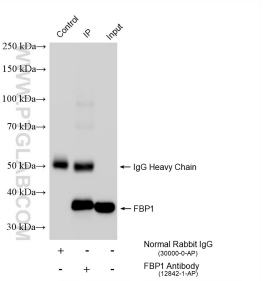
Selected Validation Data



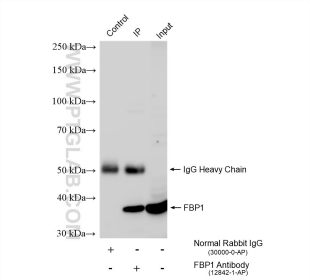
WB result of FBP1 antibody (12842-1-AP; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FBP1 transfected MCF-7 cells. This data was developed using the same antibody clone with 12842-1-PBS in a different storage buffer formulation.



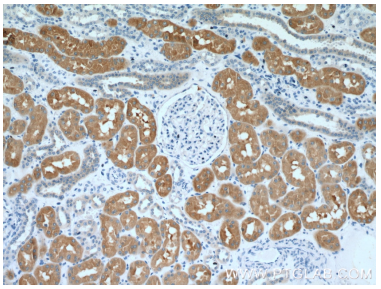
Various lysates were subjected to SDS PAGE followed by western blot with 12842-1-AP (FBP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12842-1-PBS in a different storage buffer formulation.



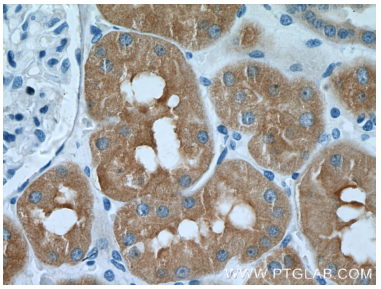
IP result of anti-FBP1 (IP:12842-1-AP, 4ug; Detection:12842-1-AP 1:10000) with mouse liver tissue lysate 2480 ug. This data was developed using the same antibody clone with 12842-1-PBS in a different storage buffer formulation.



IP result of anti-FBP1 (IP:12842-1-AP, 4ug; Detection:12842-1-AP 1:10000) with MCF-7 cells lysate 1200 ug. This data was developed using the same antibody clone with 12842-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12842-1-AP (FBP1 Antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 12842-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12842-1-AP (FBP1 Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 12842-1-PBS in a different storage buffer formulation.