

For Research Use Only

FBP1 Polyclonal antibody

Catalog Number:12842-1-AP

Featured Product

23 Publications



Basic Information

Catalog Number: 12842-1-AP	GenBank Accession Number: BC012927	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2203	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:200-1:800 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: P09467	
Isotype: IgG	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, IHC, IF/ICC, ELISA	Positive Controls: WB : MCF-7 cells, human liver tissue, mouse liver tissue, rat liver tissue IHC : human kidney tissue, IF/ICC : HeLa cells,
Cited Applications: WB, IHC, IF, IP, CoIP	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, pig	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Teresa W-M Fan	36150727	J Immunol	
Jie Zhou	32820629	J Med Chem	WB
Wei Zhao	30193944	Life Sci	WB, IHC

Storage

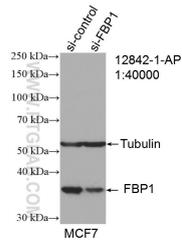
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

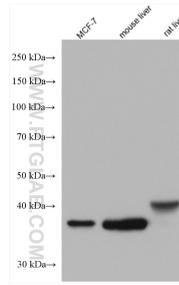
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

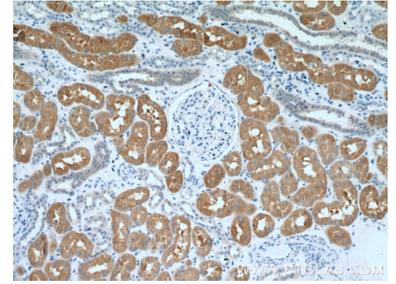
Selected Validation Data



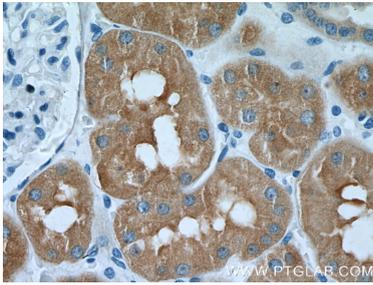
WB result of FBP1 antibody (12842-1-AP; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FBP1 transfected MCF-7 cells.



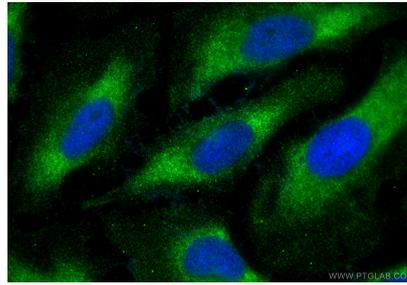
Various lysates were subjected to SDS PAGE followed by western blot with 12842-1-AP (FBP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12842-1-AP (FBP1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12842-1-AP (FBP1 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using FBP1 antibody (12842-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).