

For Research Use Only

FBP2 Polyclonal antibody

Catalog Number: 25192-1-AP

3 Publications



Basic Information

Catalog Number:

25192-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18245

GenBank Accession Number:

BC113632

GeneID (NCBI):

8789

UNIPROT ID:

O00757

Full Name:

fructose-1,6-bisphosphatase 2

Calculated MW:

339 aa, 37 kDa

Observed MW:

37 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse skeletal muscle tissue, rat skeletal muscle tissue

IHC : human small intestine tissue,

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

FBP2, also named muscle FBP, belongs to the FB Pase class 1 family. FBP2 is a ubiquitously expressed enzyme of glycogen synthesis from non-carbohydrates, e.g., lactate (glyconeogenesis). However, it also plays a variety of non-enzymatic functions. FBP2 is involved in the regulation of hypoxia-inducible factor 1 (Hif1) stability, cell cycle-dependent events, biogenesis of mitochondria, and protection of the organelles against high reactive oxygen species (ROS)- and high Ca²⁺-induced stress (PMID: 32962293, PMID: 35626746). The calculated molecular weight of FBP2 is 37 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Lujing Wang	33977939	Food Funct	IF
Syeda N Lamia	39584396	FASEB J	WB
Yoko Ino	37737267	Sci Rep	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

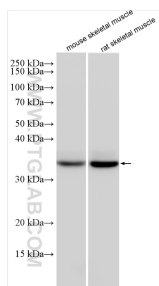
For technical support and original validation data for this product please contact:

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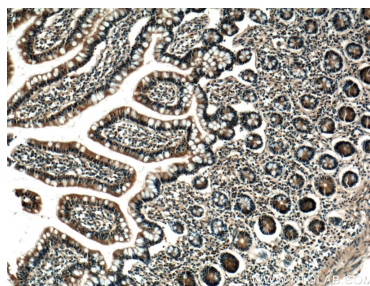
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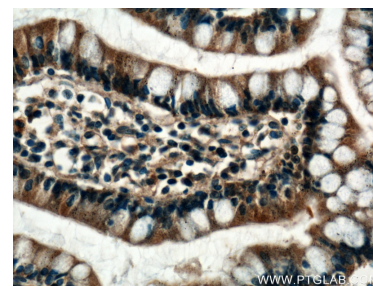
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25192-1-AP (FBP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 25192-1-AP (FBP2 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 25192-1-AP (FBP2 antibody) at dilution of 1:200 (under 40x lens).