10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FBP1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7385a

Specification

FBP1 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P09467
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**36842**
Antigen Region	**1-31**

FBP1 Antibody (N-term) - Additional Information

Gene ID 2203

Other Names
Fructose-1, 6-bisphosphatase 1, FBPase 1, D-fructose-1, 6-bisphosphate 1-phosphohydrolase 1, Liver FBPase, FBP1, FBP

Target/Specificity
This FBP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-31 amino acids from the N-terminal region of human FBP1.

Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
FBP1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FBP1 Antibody (N-term) - Protein Information

Name FBP1

Synonyms FBP

Function Catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate in the presence of divalent cations, acting as a rate-limiting enzyme in gluconeogenesis. Plays a role in regulating glucose sensing and insulin secretion of pancreatic beta-cells. Appears to modulate glycerol gluconeogenesis in liver. Important regulator of appetite and adiposity; increased expression of the protein in liver after nutrient excess increases circulating satiety hormones and reduces appetite-stimulating neuropeptides and thus seems to provide a feedback mechanism to limit weight gain.

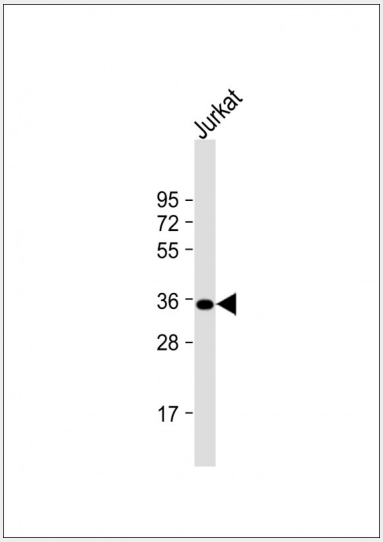
Tissue Location
Expressed in pancreatic islets.

FBP1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

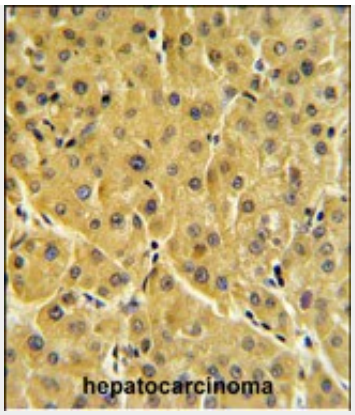
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FBP1 Antibody (N-term) - Images



Anti-FBP1 Antibody (N-term) at 1:1000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 37 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



FBP1 Antibody (N-term) (Cat.# AP7385a) IHC analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FBP1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

FBP1 Antibody (N-term) - Background

Fructose-1,6-bisphosphatase 1, a gluconeogenesis regulatory enzyme, catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate and inorganic phosphate.
Fructose-1,6-diphosphatase deficiency is associated with hypoglycemia and metabolic acidosis.

FBP1 Antibody (N-term) - References

Visinoni,S., Am. J. Physiol. Endocrinol. Metab. 295 (5), E1132-E1141 (2008)
Kebede,M., Diabetes 57 (7), 1887-1895 (2008)

FBP1 Antibody (N-term) - Citations

- Epithelial-mesenchymal transition induction is associated with augmented glucose uptake and lactate production in pancreatic ductal adenocarcinoma.