

Rabbit FBP1 Polyclonal Antibody | anti-FBP1 antibody

FBP1 Antibody

CATALOG # AAA327026	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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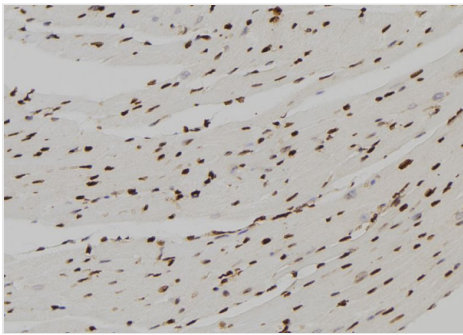
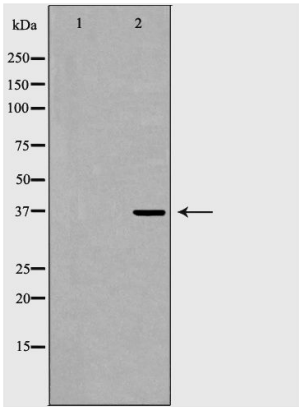
PRODUCT SYNONYMS

FBP1; Polyclonal Antibody; FBP1 Antibody; 6-bisphosphatase 1; 6-bisphosphate 1-phosphohydrolase 1; D fructose 1 6 bisphosphate 1 phosphohydrolase 1; D-fructose-1; EC 3.1.3.11; F16P1_HUMAN; FBP; FBP 1; FB Pase 1; Fructose 1 6 bisphosphatase 1; Fructose bisphosphatase 1; Fructose-1; Growth inhibiting protein 17; Liver fructose bisphosphatase; anti-FBP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FBP1 antibody detects endogenous levels of total FBP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	338
Applicable Applications for anti-FBP1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FBP1
Tissue Specificity	Expressed in pancreatic islets.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (92%), Dog (100%), Chicken (83%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327026 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Mouse kidney lysate, using FBP1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-FBP1 antibody

Description: 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.

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.

Subunit Structure: Homotetramer.

Similarity: Belongs to the FBPase class 1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16579888
NCBI GeneID	2203
NCBI Accession #	NP_000498.2
NCBI GenBank Nucleotide #	NM_000507.3
UniProt Accession #	P09467; O75571; Q53F94; Q96E46
Molecular Weight	Observed: 37 kDa Predicted: 37 kDa
NCBI Official Full Name	fructose-1,6-bisphosphatase 1
NCBI Official Synonym Full Names	fructose-bisphosphatase 1
NCBI Official Symbol	FBP1
NCBI Official Synonym Symbols	FBP
NCBI Protein Information	fructose-1,6-bisphosphatase 1
UniProt Protein Name	Fructose-1,6-bisphosphatase 1
UniProt Gene Name	FBP1
UniProt Synonym Gene Names	FBP; FBPase 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fbp1-antibody-immunohistochemistry-western-blot-elisa/327026>