

Datasheet for ABIN6261692  
**anti-FBP1 antibody (Internal Region)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	FBP1
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	A synthesized peptide derived from human FBP1, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	FBP1 Antibody detects endogenous levels of total FBP1.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:	FBP1
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## Target Details

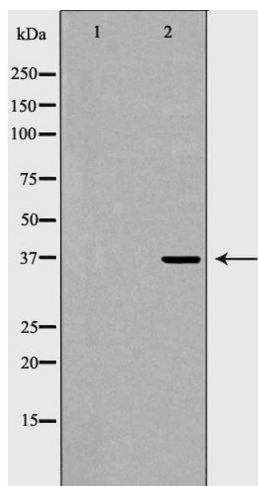
Alternative Name:	FBP1 ( <a href="#">FBP1 Products</a> )
Background:	<p>Description: Catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate in the presence of divalent cations, acting as a rate-limiting enzyme in gluconeogenesis. Plays a role in regulating glucose sensing and insulin 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.</p> <p>Gene: FBP1</p>
Molecular Weight:	37kDa
Gene ID:	2203
UniProt:	<a href="#">P09467</a>
Pathways:	<a href="#">Cellular Glucan Metabolic Process</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Dicarboxylic Acid Transport</a>

## Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

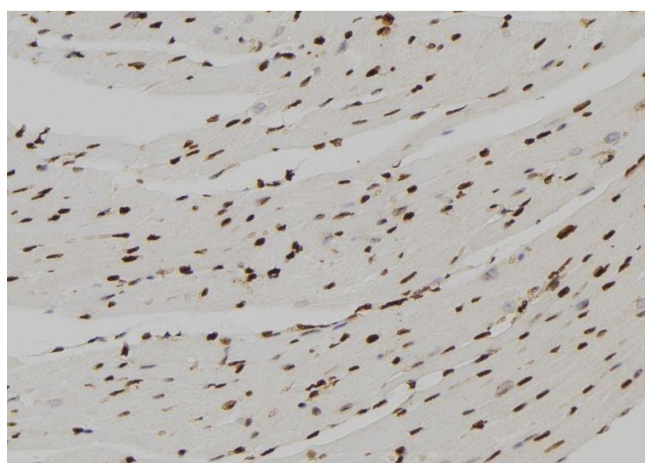
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



### Western Blotting

**Image 1.** Western blot analysis of Mouse kidney lysate, using FBP1 Antibody. The lane on the left is treated with the antigen-specific peptide.



### Immunohistochemistry

**Image 2.** ABIN6277568 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°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary