

**FBP1 Antibody**  
Rabbit mAb  
Catalog # AP92246

## Specification

---

### FBP1 Antibody - Product Information

Application	WB, IHC
Primary Accession	<a href="#">P09467</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
FBP; FBP1; FBPase 1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	36842 Da

### FBP1 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human FBP1</b>
Description	<b>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.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### FBP1 Antibody - 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

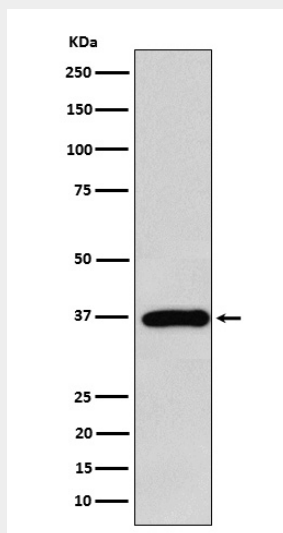
Expressed in pancreatic islets.

### FBP1 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### FBP1 Antibody - Images



Western blot analysis of FBP1 expression in MCF7 cell lysate.