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# FBP1 Antibody
**Rabbit mAb**
**Catalog # AP92246**

## Specification

### FBP1 Antibody - Product Information

| | |
|---|---|
| Application | **WB, IHC** |
| Primary Accession | P09467 |
| Reactivity | **Rat** |
| Clonality | **Monoclonal** |
| **Other Names** | |
| FBP; FBP1; FBPase 1; | |
| Isotype | **Rabbit IgG** |
| Host | **Rabbit** |
| Calculated MW | **36842 Da** |

### FBP1 Antibody - Additional Information

| | |
|---|---|
| Dilution | **WB~~1:1000**<br>**IHC~~1:100~500** |
| Purification | **Affinity-chromatography** |
| Immunogen | **A synthesized peptide derived from human FBP1** |
| 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.** |
| Storage Condition and Buffer | **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.** |

### 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

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appetite-stimulating neuropeptides and thus seems to provide a feedback mechanism to limit weight gain.

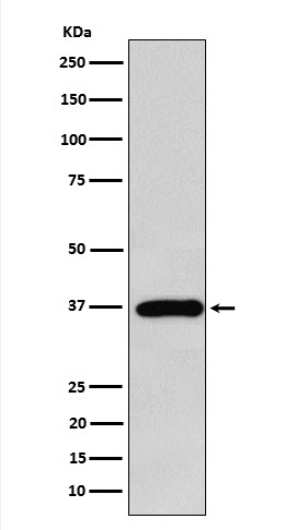
**Tissue Location**
Expressed in pancreatic islets.

## 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 Cytomety
- Cell Culture

## FBP1 Antibody - Images




Western blot analysis of FBP1 expression in MCF7 cell lysate.