

# FBP2 Recombinant antibody

**Cat:**B36301S**Company:** HaoKebio**Uniprot ID:**O00757**Applications:** IHC:1:300-1:1200**Organism:**Rabbit

IHC-Polymer:1:1200-1:5000

**Species reactivity:**Human Mouse Rat

IHC-TSA:1:1500-1:6000

**Molecular Weight Calculation:** 339 aa, 37 kDa

IF:1:50

**Observed Molecular Weight:** 37 kDa

WB:1:5000-1:50000

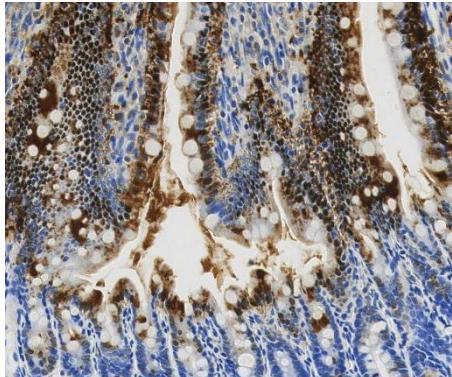
**Background:**

FBP2, also named muscle FBP, belongs to the FB Pase class 1 family. FBP2 is a ubiquitously expressed enzyme of glycogen synthesis from non-carbohydrates, e.g., lactate (glyconeogenesis). However, it also plays a variety of non-enzymatic functions. FBP2 is involved in the regulation of hypoxia-inducible factor 1 (Hif1) stability, cell cycle-dependent events, biogenesis of mitochondria, and protection of the organelles against high reactive oxygen species (ROS)- and high Ca<sup>2+</sup>-induced stress. The calculated molecular weight of FBP2 is 37 kDa.

Store at -20 °C for one year.

**Experimental procedure:**

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

**Images:**

Sample: Mouse intestine, 4% PFA 12-24h

**Source of Reagents:**

发表[中文论文]请标注:FBP2(B36301S)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:FBP2(B36301S) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

**Synonyms:**

Muscle FBPase, Fructose-1,6-bisphosphatase isozyme 2, FBPase 2, EC:3.1.3.11, D-fructose-1,6-bisphosphate 1-phosphohydrolase 2

**Immunogen:**

Recombinant protein

**Isotype:**

IgG

**Subcellular location:**

Cytoplasm

**Purity:**

Affinity purification

**Form:**

Liquid

**Storage Buffer:**

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

**Storage:**