

FBP2 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6729b**Specification**

FBP2 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O00757
Other Accession	O9N0J6 , Q2KJJ9
Reactivity	Human, Mouse
Predicted	Bovine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36743
Antigen Region	250-281

FBP2 Antibody (C-term) - Additional Information**Gene ID** 8789**Other Names**Fructose-1, 6-bisphosphatase isozyme 2, FBPase 2, D-fructose-1, 6-bisphosphate
1-phosphohydrolase 2, Muscle FBPase, FBP2**Target/Specificity**

This FBP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 250-281 amino acids from the C-terminal region of human FBP2.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FBP2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FBP2 Antibody (C-term) - Protein Information**Name** FBP2

Function Catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate in the presence of divalent cations and probably participates in glycogen synthesis from carbohydrate precursors, such as lactate.

Cellular Location

Cell junction. Cytoplasm. Nucleus. Cytoplasm, myofibril, sarcomere, Z line. Note=In neonatal cardiomyocytes, distributed throughout the cytosol, accumulating in the intercalated disks which occur at the Z line of cardiomyocytes and connect adjacent cells, and also located in the nucleus; dissociates from the Z line following an increase in cytosolic Ca^{2+} concentration (By similarity). In muscle precursor cells, localizes predominantly to the nucleus and to a lesser extent to the cytoplasm at the proliferative phase, while mainly localizing to the cytoplasm at the differentiation phase (By similarity). Colocalizes with ALDOA and alpha-actinin on both sides of the Z line of skeletal muscle; dissociates rapidly from the Z line following an increase in cytosolic Ca^{2+} concentration.

Tissue Location

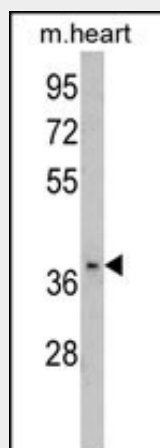
Expressed in skeletal muscle (at protein level).

FBP2 Antibody (C-term) - 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](#)

FBP2 Antibody (C-term) - Images



Western blot analysis of FBP2 Antibody (C-term) (Cat. #AP6729b) in mouse heart tissue lysates (35ug/lane). FBP2 (arrow) was detected using the purified Pab.

FBP2 Antibody (C-term) - Background

FBP2 is a gluconeogenesis regulatory enzyme which catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate and inorganic phosphate.

FBP2 Antibody (C-term) - References

Gizak,A., Proteins 72 (1), 209-216 (2008)
Rakus,D., FEBS Lett. 579 (25), 5577-5581 (2005)