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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	Q9N0J6, 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.

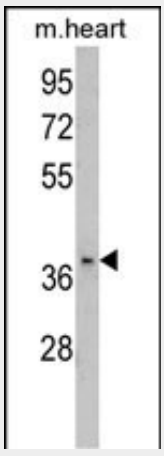
Tissue Location
Expressed in skeletal muscle (at protein level).

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 Cytomety
- 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.

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FBP2 Antibody (C-term) - References

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