10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FBP2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6729b

Specification

FBP2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O00757

FBP2 Antibody (C-term) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP6729b was selected from the C-term region of human FBP2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FBP2 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

FBP2 Antibody (C-term) Blocking Peptide - Images

FBP2 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - References

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