

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

FBP2 Antibody (C-term) Blocking Peptide - Product InformationPrimary 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](/products/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)