

Phospho PFKFB2 (Ser483) Antibody

rev 12/19

CATALOG NO.: A1958-100 (100 µl)

BACKGROUND DESCRIPTION: The protein encoded by this gene is involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. The encoded protein has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate, and a fructose-2,6-bisphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. This protein regulates fructose-2,6-bisphosphate levels in the heart, while a related enzyme encoded by a different gene regulates fructose-2,6-bisphosphate levels in the liver and muscle. This enzyme functions as a homodimer. Two transcript variants encoding two different isoforms have been found for this gene.

ALTERNATE NAMES: 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2; 6PF-2-K/Fru-2,6-P2ase 2; PFK/FBPase 2; 6PF-2-K/Fru-2,6-P2ase heart-type isozyme.

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: KLH-conjugated synthetic peptide targeting a sequence within the C-term region of human PFKFB2

MOLECULAR WEIGHT: 58 kDa

PURIFICATION: Affinity purified

FORM: Liquid

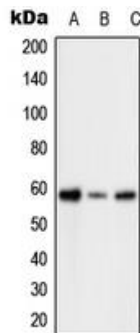
FORMULATION: In 0.42% Potassium phosphate; 0.87% NaCl; pH 7.3; 30% glycerol; and 0.01% sodium azide

SPECIES REACTIVITY: Human, Mouse, Rat, Bovine

STORAGE CONDITIONS: Store at -20°C. Avoid freeze / thaw cycles

APPLICATIONS AND USAGE: WB 1:500 - 1:1000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of phospho PFKFB2 (Ser483) expression in H₂O₂-treated HeLa (A); SP2/0 (B); H9C2 (C) whole cell lysates.

RELATED PRODUCTS:

Anti-AKT (PH domain) Rabbit Monoclonal Antibody (RM316) (A1835)
 GSK-3α Antibody (6676)
 IRS-1 Antibody (3424)
 Anti-PTEN Rabbit Monoclonal Antibody (A1607)

FOR RESEARCH USE ONLY! Not to be used on humans.