Anti-Phospho-PFKFB2 (Ser483) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108965

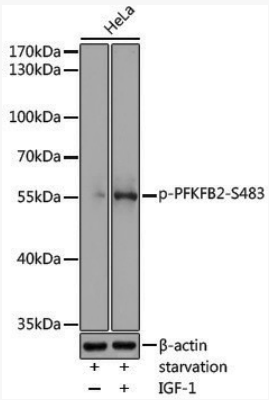
Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1000~1:5000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around S483 of human PFKFB2 (NP_006203.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-PFKFB2 (Ser483) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	PFK-2/FBPase-2; Phospho-PFKFB2-S483.
Calculated MW	Calculated MW: 58 kDa; Observed MW: 55 kDa
Uniprot ID	O60825
Gene ID	5208
Background	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-biphosphatase 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.

Validation Images



Western blot analysis of lysates from HeLa cells, using Phospho-PFKFB2-S483 Rabbit pAb (P108965) at 1:2,000 dilution. HeLa cells were treated by IGF-1 (50 ng/ml) at 37°C for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 5s.