

Anti-PFKFB3 Antibody



Description

The protein encoded by this gene belongs to a family of bifunctional proteins that are 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 (F2,6BP), and a fructose-2,6-biphosphatase activity that catalyzes the degradation of F2,6BP. This protein is required for cell cycle progression and prevention of apoptosis. It functions as a regulator of cyclin-dependent kinase 1, linking glucose metabolism to cell proliferation and survival in tumor cells. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Model	STJ116964
Host	Rabbit
Reactivity	Human, Mouse
Applications	IF, WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-210 of human PFKFB3 (NP_004557.1).
Gene ID	5209
Gene Symbol	PFKFB3
Dilution range	WB 1:500 - 1:2000 IF 1:50 - 1:200
Tissue Specificity	Ubiquitous
Purification	Affinity purification

Note	For Research Use Only (RUO).
Protein Name	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3 6PF-2-K/Fru-2,6-P2ase 3 PFK/FBPase 3 6PF-2-K/Fru-2,6-P2ase brain/placenta-type isozyme Renal carcinoma antigen NY-REN-56 iPFK-2
Molecular Weight	59.609 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:8874OMIM:605319Reactome:R-HSA-70171
Alternative Names	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3 6PF-2-K/Fru-2,6-P2ase 3 PFK/FBPase 3 6PF-2-K/Fru-2,6-P2ase brain/placenta-type isozyme Renal carcinoma antigen NY-REN-56 iPFK-2
Function	Synthesis and degradation of fructose 2,6-bisphosphate
Post-translational Modifications	Phosphorylation by AMPK stimulates activity,

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