



Anti-PFKFB1 (aa 1-100) polyclonal antibody (DPAB-DC2225)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of fructose-2,6-biphosphate using independent catalytic domains. Fructose-2,6-biphosphate is an activator of the glycolysis pathway and an inhibitor of the gluconeogenesis pathway. Consequently, regulating fructose-2,6-biphosphate levels through the activity of this enzyme is thought to regulate glucose homeostasis. Multiple alternatively spliced transcript variants have been found for this gene.
Immunogen	PFKFB1 (NP_002616, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is MSPENGELTQTRLQKIWIPIHSSGSSRLQRRRGSSIPQFTNSPTMVIMVGLPARGKTYIST KLTRYLNWIGTPTKVFNLGQYRREAVSYKNYEFFLPDNME
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PFKFB1 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1 [Homo sapiens (human)]
Official Symbol	PFKFB1
Synonyms	PFKFB1; 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1; F6PK; HL2K; PFRX; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase 1; 6PF-2-K/Fru-2,6-P2ASE liver isozyme; fructose-6-phosphate,2-kinase:fructose-2,6-bisphosphatase;
Entrez Gene ID	5207
Protein Refseq	NP_001258733
UniProt ID	I1Z9G4
Chromosome Location	Xp11.21
Pathway	AMPK signaling pathway; Disease; Fructose and mannose metabolism; Glucose metabolism
Function	6-phosphofructo-2-kinase activity; ATP binding; fructose-2,6-bisphosphate 2-phosphatase activity; fructose-6-phosphate binding