



# 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

<b>Antigen Description</b>	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.
<b>Immunogen</b>	PFKFB1 (NP_002616, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is  MSPEMGELTQTRLQKIWIPHSSGSSRLQRRRGSSIPQFTNSPTMVIMVGLPARGKTYIST KLTRYLNWIGTPTKVFNLGQYRREAVSYKNYEFFLPDNME
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PFKFB1 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PFKFB1
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">5207</a>
<b>Protein Refseq</b>	<a href="#">NP_001258733</a>
<b>UniProt ID</b>	<a href="#">I1Z9G4</a>
<b>Chromosome Location</b>	Xp11.21
<b>Pathway</b>	AMPK signaling pathway; Disease; Fructose and mannose metabolism; Glucose metabolism
<b>Function</b>	6-phosphofructo-2-kinase activity; ATP binding; fructose-2,6-bisphosphate 2-phosphatase activity; fructose-6-phosphate binding