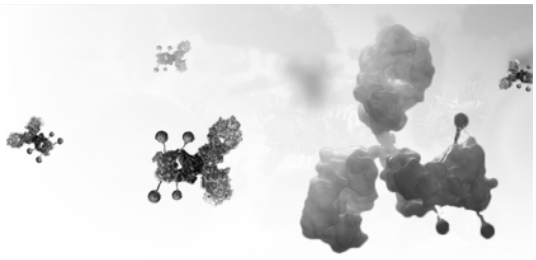

Anti-PFKFB2 polyclonal antibody (DPAB-DC2226)

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

PRODUCT INFORMATION

Antigen 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-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.
Specificity	This antibody is expected to recognize both reported isoforms (NP_006203.2; NP_001018063.1).
Immunogen	A synthetic peptide corresponding to human PFKFB2. The sequence is SEQNNNSYETKTP-C
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

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Preservative	0.02% Sodium Azide
Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PFKFB2 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2 [Homo sapiens (human)]
Official Symbol	PFKFB2
Synonyms	PFKFB2; 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2; PFK-2/FBPase-2; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2; PFK/FBPase 2; PFKFB, cardiac; 6PF-2-K/Fru-2,6-P2ase 2; 6PF-2-K/Fru-2,6-P2ASE heart-type isozyme; fructose-2,6-bisphosphatase, cardiac isozyme;
Entrez Gene ID	5208
Protein Refseq	NP_001018063
UniProt ID	O60825
Chromosome Location	1q31
Pathway	AMPK signaling pathway; Disease; Fructose and mannose metabolism; Glycogen storage diseases
Function	6-phosphofructo-2-kinase activity; ATP binding; fructose-2,6-bisphosphate 2-phosphatase activity; protein binding

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