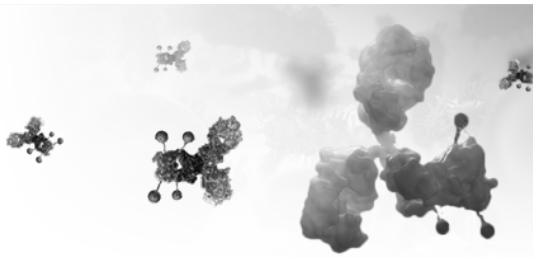

Human PFKFB2 blocking peptide (CDBP2264)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PFKFB2 antibody
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. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	PFKFB2 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2 [Homo sapiens (human)]
Official Symbol	PFKFB2

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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
mRNA Refseq	NM_001018053.1
Protein Refseq	NP_001018063.1
UniProt ID	O60825
Chromosome Location	1q31
Pathway	Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem; Glucose metabolism, organism-specific biosystem; Glycolysis, organism-specific biosystem; HIF-1 signaling pathway, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; Thyroid hormone signaling pathway, organism-specific biosystem;
Function	6-phosphofructo-2-kinase activity; ATP binding; fructose-2,6-bisphosphate 2-phosphatase activity; protein binding; protein kinase binding;

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