



Rabbit Anti-Human PFKP Polyclonal Antibody (CABT-L2149)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Phosphofructokinase, Platelet (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against PFKP. It has been selected for its ability to recognize PFKP in immunohistochemical staining and western blotting.
Target	PFKP
Immunogen	Recombinant fragment corresponding to human PFKP (Asp553~Lys753)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Pig
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	The PFKP gene encodes the platelet isoform of phosphofructokinase (PFK) (ATP:D-fructose-6-phosphate-1-phosphotransferase, EC 2.7.1.11). PFK catalyzes the irreversible conversion of fructose-6-phosphate to fructose-1,6-bisphosphate and is a key regulatory enzyme in glycolysis. The PFKP gene, which maps to chromosome 10p, is also expressed in fibroblasts. See also the muscle (PFKM; MIM 610681) and liver (PFKL; MIM 171860) isoforms of phosphofructokinase, which map to chromosomes 12q13 and 21q22, respectively. Vora (1981) [PubMed 6451249] determined that full tetrameric phosphofructokinase enzyme expressed in platelets can be composed of subunits P4, P3L, and P2L2.[supplied by OMIM, Mar 2008]
Keywords	PFK-C;PFKF;ATP-dependent 6-phosphofructokinase, platelet type;6-phosphofructokinase type C;Phosphofructo-1-kinase isozyme C;Phosphohexokinase

GENE INFORMATION

Gene Name	PFKP phosphofructokinase, platelet [Homo sapiens (human)]
Official Symbol	PFKP
Synonyms	PFKP; phosphofructokinase, platelet; PFKF; PFK-C; PFK-P; ATP-PFK; ATP-dependent 6-phosphofructokinase, platelet type; ATP-PFK; phosphohexokinase; phosphofructokinase 1; 6-phosphofructokinase type C; phosphofructo-1-kinase isozyme C; Phosphofructokinase, platelet type; 6-phosphofructokinase, platelet type;
Entrez Gene ID	5214
Protein Refseq	NP_001229268
UniProt ID	Q01813
Chromosome Location	10p15.3-p15.2
Pathway	AMPK signaling pathway; Biosynthesis of amino acids; Carbon metabolism; Central carbon metabolism in cancer; Disease; Fructose and mannose metabolism; Galactose metabolism; Glucose metabolism;
Function	6-phosphofructokinase activity; ATP binding; metal ion binding; protein complex binding;