



## Rabbit Anti-PFKP antibody

SL20503R

<b>Product Name:</b>	PFKP
<b>Chinese Name:</b>	6-磷酸果糖激酶C抗体
<b>Alias:</b>	1200015H23Rik; 6 phosphofructokinase type C; 6 phosphofructokinase, platelet type; 6-phosphofructokinase; 6-phosphofructokinase type C; 9330125N24Rik; FLJ40226; K6PP; K6PP_HUMAN; MGC105718; PFK C; PFK, fibroblast type; PFK-C; PFKF; PFKP; Phosphofructo 1 kinase isozyme C; Phosphofructo-1-kinase isozyme C; Phosphofructokinase 1; Phosphofructokinase platelet; Phosphohexokinase; platelet type.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	86kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PFKP:231-330/784
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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]

**Function:**

Catalyzes the phosphorylation of D-fructose 6-phosphate to fructose 1,6-bisphosphate by ATP, the first committing step of glycolysis.

**Subunit:**

Homo- and heterotetramers. Muscle is M4, liver is L4, and red cell is M3L, M2L2, or ML3. A subunit composition with a higher proportion of platelet type subunits is found in platelets, brain and fibroblasts.

**Subcellular Location:**

Cytoplasm.

**Tissue Specificity:**

GlcNAcylation decreases enzyme activity.

**Similarity:**

Belongs to the phosphofructokinase family. Two domains subfamily.

**SWISS:**

Q01813

**Gene ID:**

5214

**Database links:**

[Entrez Gene: 5214](#) Human

[Entrez Gene: 56421](#) Mouse

[Entrez Gene: 60416](#) Rat

[Omim: 171840](#) Human

[SwissProt: Q01813](#) Human

[SwissProt: Q9WUA3](#) Mouse

[SwissProt: P47860](#) Rat

[Unigene: 26010](#) Human

[Unigene: 273874](#) Mouse

[Unigene: 2278](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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