

PFKFB1 rabbit monoclonal antibody

Catalog # H00005207-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PFKFB1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PFKFB1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PFKFB1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	<ol style="list-style-type: none">1. Customer may provide cell or tissue lysate for antibody screening.2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab)₂, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PFKFB1

Entrez GeneID	5207
GeneBank Accession#	PFKFB1
Gene Name	PFKFB1
Gene Alias	F6PK, HL2K, MGC116715, MGC116717, PFRX
Gene Description	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1
Omim ID	311790
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	6PF-2-K/Fru-2,6-P2ASE liver isozyme OTTHUMP00000023391 fructose-2,6-bisphosphatase fructose-6-phosphate,2-kinase:fructose-2,6-bisphosphatase

Pathway

- [Fructose and mannose metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)