

RecomAb™

PFKL recombinant monoclonal antibody, clone R04-7A4

Catalog # RAB02008 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: C6 and Lane 2: 3T3 lysates with PFKL recombinant monoclonal antibody, clone R04-7A4 (Cat # RAB02008).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PFKL.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PFKL.
Theoretical MW (kDa)	Calculated MW: 85 kD
Reactivity	Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at -20 °C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: C6 and Lane 2: 3T3 lysates with PFKL recombinant monoclonal antibody, clone R04-7A4 (Cat # RAB02008).

- Immunofluorescence

Gene Info — PFKL

Entrez GeneID[5211](#)**Protein Accession#**[P17858](#)**Gene Name**

PFKL

Gene Alias

DKFZp686G1648, DKFZp686L2097, FLJ30173, FLJ40909, PFK-B

Gene Description

phosphofructokinase, liver

Omim ID[171860](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Phosphofructokinase (PFK) is a tetrameric enzyme that catalyzes a key step in glycolysis, namely the conversion of D-fructose 6-phosphate to D-fructose 1,6-bisphosphate. Separate genes encode a muscle subunit (M) and a liver subunit (L). PFK from muscle is a homotetramer of M subunits, PFK from liver is a homotetramer of L-subunits, while PFK from platelets can be composed of any tetrameric combination of M and L subunits. The protein encoded by this gene represents the L subunit. Alternate splicing results in two transcript variants, one of which is a candidate for nonsense-mediated decay (NMD). [provided by RefSeq]

Other Designations

6-phosphofructokinase, liver type|liver phosphofructokinase|liver-type 1-phosphofructokinase|phosphofructo-1-kinase isozyme B|phosphofructokinase 1|phosphohexokinase

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Fructose and mannose metabolism](#)
- [Galactose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)

Disease

- [Drug Toxicity](#)
- [Edema](#)
- [Hypercholesterolemia](#)