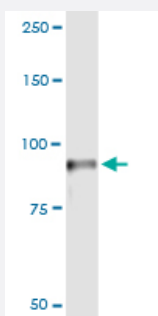


PFKM (Human) IP-WB Antibody Pair

Catalog # H00005213-PW1

Size 1 Set

Applications



Immunoprecipitation of PFKM transfected lysate using rabbit polyclonal anti-PFKM and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-PFKM.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of PFKM transfected lysate using rabbit polyclonal anti-PFKM and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-PFKM.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-PFKM (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-PFKM (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — PFKM

Entrez GeneID [5213](#)

Gene Name PFKM

Gene Alias GSD7, MGC8699, PFK-1, PFK-M, PFKX

Gene Description phosphofructokinase, muscle

Omim ID [232800 610681](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The PFKM gene encodes the muscle 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. Mammalian PFK is a tetramer made up of various combinations of 3 subunits: muscle (PFKM), liver (PFKL; MIM 171860), and platelet (PFKP; MIM 171840), the genes for which are located on chromosomes 12q13, 21q22, and 10p, respectively. The composition of the tetramers differs according to the tissue type. Muscle and liver PFK are homotetramers of 4M and 4L subunits, respectively. Erythrocytes contain both L and M subunits, which randomly tetramerize to form M4, L4, and M3L, M2L2, and ML3 hybrid forms of the holoenzyme (Vora et al., 1980 [PubMed 6444721]; Raben and Sherman, 1995 [PubMed 7550225]).[supplied by OMIM]

Other Designations phosphofructokinase, muscle type|phosphofructokinase, polypeptide X

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](#)
- [Tobacco Use Disorder](#)