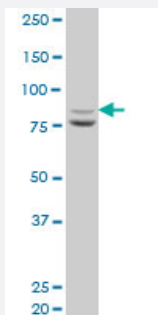


PFKP polyclonal antibody (A01)

Catalog # H00005214-A01

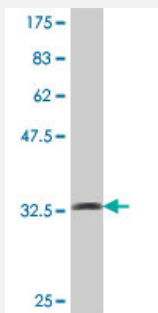
Size 50 uL

Applications



Western Blot (Cell lysate)

PFKP polyclonal antibody (A01), Lot # 060626JCS1 Western Blot analysis of PFKP expression in MES-SA/Dx5 (Cat # L021V1).



Western Blot detection against Immunogen (36.23 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant PFKP.
Immunogen	PFKP (NP_002618, 692 a.a. ~ 783 a.a) partial recombinant protein with GST tag.
Sequence	RAMEWITAKLKEARGRGKKFTDDSDICVLGISKRNIVIFQPVAELKKQTDFEHRIPKEQWWLKLRLPL MKILAKYKASYDVSDSGQLEHVQPWS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (79); Rat (74)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.23 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

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

Applications

- Western Blot (Cell lysate)

PFKP polyclonal antibody (A01), Lot # 060626JCS1 Western Blot analysis of PFKP expression in MES-SA/Dx5 (Cat # L021V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PFKP

Entrez GeneID

[5214](#)

GeneBank Accession#

[NM_002627](#)

Protein Accession#

[NP_002618](#)

Gene Name

PFKP

Gene Alias

FLJ40226, PFK-C, PFKF

Gene Description

phosphofructokinase, platelet

Omim ID

[171840](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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]

Other Designations

OTTHUMP00000018966|Phosphofructokinase, platelet type

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

- [Alzheimer Disease](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Obesity](#)
- [Overweight](#)