

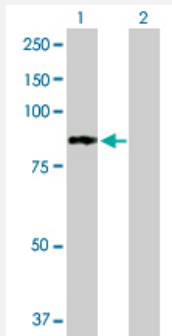
MaxPab®

PFKL purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005211-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PFKL expression in transfected 293T cell line ([H00005211-T01](#)) by PFKL MaxPab polyclonal antibody.

Lane 1: PFKL transfected lysate(90.97 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PFKL protein.

Immunogen

PFKL (NP_001002021.1, 1 a.a. ~ 827 a.a) full-length human protein.

Sequence

MCNQGRGRESSRGGLHVQGSCRGLSRSPQQETGFAKAPAGTDCFFHCSPGSRGQGDRKEEV
TSEPGGTSIMSRLGGMNAAVRAVTRMGIVGAKVFLIYEGYGLVEGGENIKQANWLSVSNIQLGG
TIIGSARCKAFTTREGRRAAAYNLVQHGITNLCVIGGDGSLTGANIFRSEWGSLLLEELVAEGKISSETT
ARTYSHLNIAGLVGSIDNDFCGTDMTIGTDSALHRIMEVIDAITTAQSHQRTFVLEVMGRHCGYLAL
VSALASGADWLFPEAPPEDGWENFMCERLGETRSRGSRLNIIIAEGAIDRNGKPISSSYVKDLVV
QRLGFDTRVTVLGHVQRGGTPSAFDRILSSKMGMEAVMALLEATPDTPACVVTLSGNQSVRLPL
MECVQMTKEVQKAMDDKRFDEATQLRGGSFENNWNKYLLAHQKPPKEKSNFSLAILNVGAPAA
GMNAAVRSAVRTGISHGHTVYVVDHGFEGGLAKGQVQEVGWHDVAGWLGRGGSMLGKRTLPLK
GQLESIVENIRIYGIHALLVVGFEAYEGVLQLEARGRYEELCMVCVIPATISNNVPGTDFSLGSDT
AVNAAMESCDRIKQSASGTKRRVFIVETMGGYCYLATVTGIAVGADAAAYFEDPFNIHDLKVNVE
HMTEKMKTDIQRGLVLRNEKCHDYTTTEFLYNLYSSEGKGVFDCRTNVLGHLQQGGAPTPFDRNY
GTKLGVKAMLWLSEKLREYRKGRVFANAPDSACVIGLKKKAVAFSPVTELKKDTEHHRMPRE
QWWLSLRLMLKMLAQYRISMAAYVSGELEHVTRRTLSDMKGF

Host

Mouse

Reactivity

Human

Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — PFKL

Entrez GeneID	5211
GeneBank Accession#	NM_001002021.1
Protein Accession#	NP_001002021.1
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](#)