

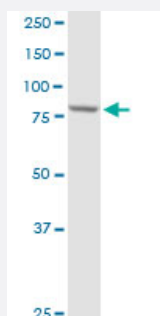
MaxPab®

PFKP MaxPab rabbit polyclonal antibody (D01)

Catalog # H00005214-D01

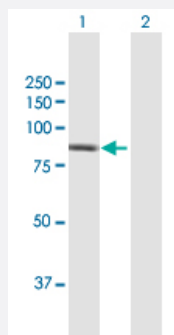
Size 100 uL

Applications



Western Blot (Cell lysate)

PFKP MaxPab rabbit polyclonal antibody. Western Blot analysis of PFKP expression in Jurkat.

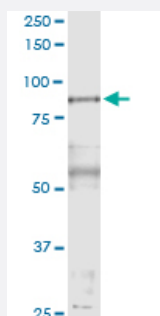


Western Blot (Transfected lysate)

Western Blot analysis of PFKP expression in transfected 293T cell line ([H00005214-T02](#)) by PFKP MaxPab polyclonal antibody.

Lane 1: PFKP transfected lysate(85.6 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of PFKP transfected lysate using anti-PFKP MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PFKP purified MaxPab mouse polyclonal antibody (B01P) ([H00005214-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PFKP protein.

Immunogen	PFKP (NP_002618.1, 1 a.a. ~ 784 a.a) full-length human protein.
Sequence	MDADDSRAPKGSRLRKFLHLSGAGKAIGVLTSGGDAQGMNAAVRVVRMGIVGAKVYFIYEGY QGMVDGGSNIAEADWESVSSILQVGGTIIGSARCQAFRTREGRLKAACNLLQRGITNLCVIGGDGS LTGANLFRKEWSGLLEELARNGQIDKEAVQKYAYLNVVGMVGSIDNDFCGTDMTIGTDSALHRIIEV VDAIMTTAQSHQRTFVLEVMGRHCGYLALVSALACGADWVFLPESPPEEGWEEQMCVKLSEN ARKKRLNIIIVAEGAIDTQNKPIITSEKIKELVVTQLGYDTRVTILGHVQRGGTPSAFDRILASRMGVEA VIALLEATPDTPACVVSLNGNHAVRLPLMECVQMTQDVQKAMDERRFQDAVRLRGRSFAGNLNT YKRLAIKLPDDQIPKTNCNVAVINVGAPAAGMNAAVRSVAVRVGIADGHRMLAIDGFDGFAKGQIK EIGWTDVGGWTGQGGGILGTRVLP GKYLEEATQMRTHSINALLIIGGFEAYLGLLELSAAREKHEE FCVPMVMVPATVSNVPGSDFSIGADTALNTITDTCDRIKQSASGTRRVFIETMGGYCGYLANM GGLAAGADAAYIFEEPDIRDLQSNVEHLTEKMKTTIQRGLVLRNESCSENYYTDFYQLYSEEGKG VFDCRKNVLGHMQGGGAPSPFDRNFGTKISARAMEWITAKLKEARGRGKKFTTDDSDICVLGISKR NVIFQPVAELKKQTDFEHRIPKEQWWLKLRLPLMKILAKYKASYDVSDSGQLEHVQPWSV
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (90)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PFKP MaxPab rabbit polyclonal antibody. Western Blot analysis of PFKP expression in Jurkat.

[Protocol Download](#)

- Western Blot (Transfected lysate)

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[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of PFKP transfected lysate using anti-PFKP MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PFKP purified MaxPab mouse polyclonal antibody (B01P) ([H00005214-B01P](#)).

[Protocol Download](#)

Gene Info — PFKP

Entrez GeneID [5214](#)

GeneBank Accession# [NM_002627.3](#)

Protein Accession# [NP_002618.1](#)

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](#)