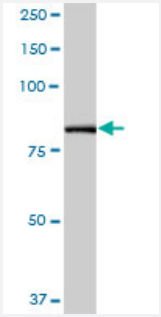
MaxPab®

PFKP purified MaxPab mouse polyclonal antibody (B01P)

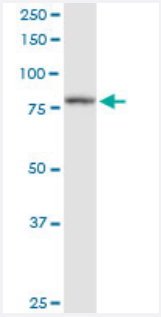
Catalog # H00005214-B01P Size 50 ug

Applications



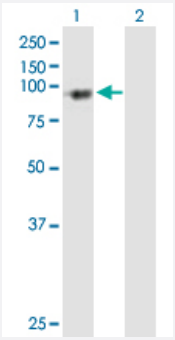
Western Blot (Tissue lysate)

PFKP MaxPab polyclonal antibody. Western Blot analysis of PFKP expression in human pancreas.



Western Blot (Cell lysate)

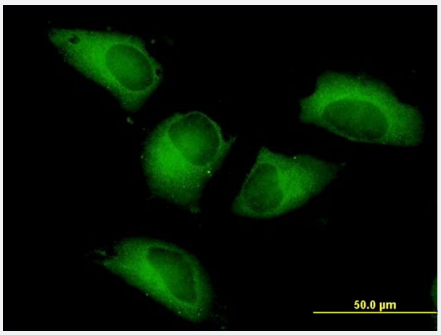
PFKP MaxPab polyclonal antibody. Western Blot analysis of PFKP expression in Hela S3 NE.



Western Blot (Transfected lysate)

Western Blot analysis of PFKP expression in transfected 293T cell line (H00005214-T01) by PFKP MaxPab polyclonal antibody.

Lane 1: PFKP transfected lysate(86.24 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PFKP on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description	Mouse 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	MDADDSRAPKGSLRKFLEHLSGAGKAIGVLTSGGDAQGMNAAVRAVVRMGIYVGAKVYFIYEGY QGMVDGGSNIAEADWESVSSILQVGGTIIGSARCQAFRTREGRLKAACNLLQRGITNLCVIGGDGS LTGANLFRKEWSGLLEELARNGQIDKEAVQKYAYLNVVGMVGSIDNDFCGTDMTIGTDSALHRIIEV VDAIMTTAQSHQRTFVLEVMGRHCGYLALVSALACGADWVFLPESPPEEGWEEQMCVKLSENR ARKKRLNIIIVAEGAIDTQNKPITSEKIKELVVTQLGYDTRVTILGHVQRGGTPSAFDRILASRMGVEA VIALLEATPDTPACVVSLNGNHAVRLPLMECVQMTQDVQKAMDERRFQDAVRLRGRSFAGNLNT YKRLAIKLPDDQIPKTNCNVAVINVGAPAAGMNAAVRSAVRVGIADGHRMLAIYDGFDGFAKGQIK EIGWTDVGGWTGQGGSILGTKRVLPGKYLEEIATQMRTHSINALLIIGGFEAYLGLLELSAAREKHEE FCVPMVMVPATVSNNVPGSDFSIGADTALNTITDTCDRIKQSASGTKRRVFIIETMGGYCGYLANM GGLAAGADAAYIFEEPFDIRDLQSNVEHLTEKMKTTIQRGLVLRNESCSENYTTDFIYQLYSEEGKG VFDCRKNVLGHMQQGGAPSPFDRNFGTKISARAMEWITAKLKEARGRGKKFTTDDSICVLGISKR NVIFQPVAELKKQTDFEHRIPKEQWWLKLRPLMKILAKYKASYDVSDSGQLEHVQPWSV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (90)
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.

Applications

- Western Blot (Tissue lysate)

  PFKP MaxPab polyclonal antibody. Western Blot analysis of PFKP expression in human pancreas.

  Protocol Download

- Western Blot (Cell lysate)

  PFKP MaxPab polyclonal antibody. Western Blot analysis of PFKP expression in Hela S3 NE.

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of PFKP expression in transfected 293T cell line (H00005214-T01) by PFKP MaxPab polyclonal antibody.

  Lane 1: PFKP transfected lysate(86.24 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Immunofluorescence

  Immunofluorescence of purified MaxPab antibody to PFKP on HeLa cell. [antibody concentration 10 ug/ml]

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 phophofructokinase 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