

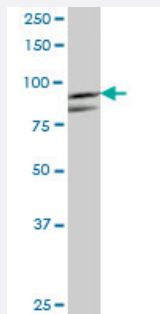
MaxPab®

PFKM purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005213-B01P

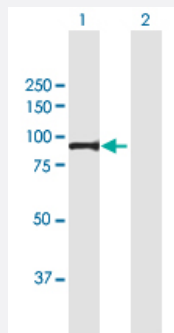
Size 50 ug

Applications



Western Blot (Tissue lysate)

PFKM MaxPab polyclonal antibody. Western Blot analysis of PFKM expression in rat brain.



Western Blot (Transfected lysate)

Western Blot analysis of PFKM expression in transfected 293T cell line ([H00005213-T01](#)) by PFKM MaxPab polyclonal antibody.

Lane 1: PFKM transfected lysate(85.8 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

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

Immunogen

PFKM (NP_000280.1, 1 a.a. ~ 780 a.a) full-length human protein.

Sequence

MTHEEHHAAKTLGIGKIAVLTSGGDAQGMNAAVRAVVRVGIFTGARVFFVHEGYQGLVDGGDHI
KEATWESVSMMLQLGGTVIGSARCKDFREREGRLRAAYNLVKGITNLCVIGGDGSLTGADTFRS
EWSDLLSDLQKAGKITDEEATKSSYLNVLVGSIDNDFCGTDMTIGTDSALHRIMEVDAITTTAQS
HQRTFVLEVMGRHCGYLALVTSLSGADWVFIPECPPDDDWEEHLCRRLSETRTRGSRLNIIIVAE
GAIDKNGKPITSEDIKNLVVKRLGYDTRVTVLGHVQRGGTPSAFDRILGSRMGVEAVMALLEGTPD
TPACVVSLSGNQAVRLPLMECVQVTKDVTKAMDEKKFDEALKLRGRSFMNNWEVYKLLAHVRP
PVSKSGSHTVAVMNVGAPAAAGMNAAVRSTVRIGLIQGNRVLVVHDGFEGGLAKGQIEEAGWSYVG
GWTGQGGSKLGTKRTLPPKKSFEQISANITKFNIQGLVIIGGFEAYTGLELMEGRKQFDELCPFVVI
PATVSNNVPGSDFSVGADTALNTICTTCDRIKQSAAGTKRRVFIETMGGYCGYLATMAGLAAGAD
AAYIFEEPFTIRDLQANVEHLVQKMKTTVKRGLVLRNEKCNENYTTDFIFNLVSEEGKGIFDSRKNV
LGHMQQGGSPFPDRNFATKMGAKAMNWMSGKIKESYRNGRIFANTPDSGCVLGMRKRALVFQ
PVAELKDQTD FEHRIPKEQWWLKLRLPILKILAKYEIDLDTSDHAHLEHITRKRSGEAAV

Host

Mouse

Reactivity

Human, Rat

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)

PFKM MaxPab polyclonal antibody. Western Blot analysis of PFKM expression in rat brain.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PFKM expression in transfected 293T cell line ([H00005213-T01](#)) by PFKM MaxPab polyclonal antibody.

Lane 1: PFKM transfected lysate(85.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — PFKM

Entrez GeneID

[5213](#)

GeneBank Accession#

[NM_000289](#)

Protein Accession#

[NP_000280.1](#)

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](#)