

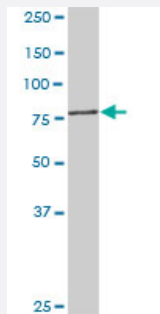
MaxPab®

PFKM purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005213-D01P

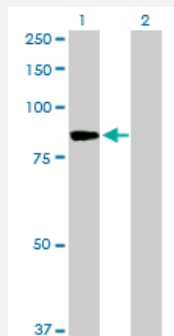
Size 100 ug

Applications



Western Blot (Tissue lysate)

PFKM MaxPab rabbit polyclonal antibody. Western Blot analysis of PFKM expression in mouse lung.



Western Blot (Transfected lysate)

Western Blot analysis of PFKM expression in transfected 293T cell line ([H00005213-T02](#)) by PFKM MaxPab polyclonal antibody.

Lane 1: PFKM transfected lysate(85.20 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit 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

MTHEEHHAAKTLGIGKAI AVL TSGGDAQGMNAAVRAVVRVGIFTGARVFFVHEGYQGLVDGGDHI
 KEATWESVSMMLQLGGTVIGSARCKDFREREGRLRAAYNLVKGITNLCVIGGDGSLTGADTFRS
 EWSDLLSDLQKAGKITDEEATKSSYLNVLVGSIDNDFCGTDMTIGTDSALHRIMEVDAITTTAQS
 HQRTFVLEVMGRHCGYLALVTSLSGADWVFIPECPPDDDWEEHLCRRLSETRTRGSRLNIIIVAE
 GAIDKNGKPITSEDIKNLVVKRLGYDTRVTVLGHVQRGGTPSAFDRILGSRMGVEAVMALLEGTPD
 TPACVVSLSGNQAVRLPLMECVQVTKDVTKAMDEKKFDEALKLRGRSFMNNWEVYKLLAHVRP
 PVSKSGSHTVAVMNVGAPAAAGMNAAVRSTVRIGLIQGNRVLVVHDGFEGGLAKGQIEEAGWSYVG
 GWTGQGGSKLGTKRTLPPKKSFEQISANITKFNIQGLVIIGGFEAYTGGLLEMEGRKQFDELCPFVVI
 PATVSNNVPGSDFSVGADTALNTICTTCDRIKQSAAGTKRRVFIIETMGGYCGYLATMAGLAAGAD
 AAYIFEFPFTIRDLQANVEHLVQKMKTTVKRGLVLRNEKCNENYTTDFIFNL YSEEGKGFDSRKNV
 LGHMQQGGSPFPDRNFATKMGAKAMNWMSGKIKESYRNGRIFANTPDSGCVLGMKRKRALVFQ
 PVAELKDQTD FEHRIPKEQWWLKLRLPILKILAKYEIDLDTSDHAHLEHITRKRSGEAAV

Host Rabbit

Reactivity Human, Mouse

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 rabbit polyclonal antibody. Western Blot analysis of PFKM expression in mouse lung.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PFKM expression in transfected 293T cell line ([H00005213-T02](#)) by PFKM MaxPab polyclonal antibody.

Lane 1: PFKM transfected lysate(85.20 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](#)