

DNAxPAb

Hard-to-Find
Antibody

PFKFB2 DNAxPab

Catalog # H00005208-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PFKFB2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MSGASSSEQNNNSYETKTPNLRMSEKKCSWASYMTNSPTLVMIGLPARGKTYVSKKLTRYLNWI GVPTKVFNLGVYRREAVKSYKSYDFFRHDNEEAMKIRKQCALVALEDVKAYLTEENGQIAVFDAT NTTRERRDMILNFAEQNSFKVFFVESVCDDPDVIAANILEVKVSSPDYPERNRENVMEDFLKRIEC YKVTYRPLDPDNYDKDLSFIKVINVGQRFLVNRVQDYQSKIVYLMNIHVQPRTMLCRHGESEFNLL GKIGGDSGLSVRGKQFAQALRKFLLEEQEITDLKVWTSQLKRTIQTAEISLGVPEQWKILNEIDAGV CEEMTYAEIEKRYPEEFALRDQEKYLRYPGGESYQDLVQRLEPVMELERQGNVLVISHQAVMR CLLAYFLDKGADELPLYRCPLHTIFKLTPVAYGCKVETIKLNVEAVNTHRDKPTNNFPKNQTPVRM RRNSFTPLSSSNTIRPRNYSVGSRLPLKPLSPLRAQDMQEGAD
Host	Rabbit
Reactivity	Human
Purification	Protein A
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — PFKFB2

Entrez GeneID [5208](#)

GeneBank Accession# [NM_006212.2](#)

Protein Accession# [NP_006203.2](#)

Gene Name PFKFB2

Gene Alias DKFZp781D2217, MGC138308, MGC138310, PFK-2/FBPase-2

Gene Description 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2

Omim ID [171835](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. The encoded protein has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate, and a fructose-2,6-biphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. This protein regulates fructose-2,6-bisphosphate levels in the heart, while a related enzyme encoded by a different gene regulates fructose-2,6-bisphosphate levels in the liver and muscle. This enzyme functions as a homodimer. Two transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

Other Designations 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2[6PF-2-K/Fru-2,6-P2ASE heart-type isozyme|OTTHUMP00000034285|OTTHUMP00000034286|PFKFB, cardiac|fructose-2,6-bisphosphatase, cardiac isozyme

Pathway

- [Fructose and mannose metabolism](#)

Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)

- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)