

PKM2 rabbit monoclonal antibody

Catalog # H00005315-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PKM2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PKM2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PKM2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PKM2

Entrez GeneID	5315
GeneBank Accession#	PKM2
Gene Name	PKM2
Gene Alias	CTHBP, MGC3932, OIP3, PK3, PKM, TCB, THBP1
Gene Description	pyruvate kinase, muscle
Omim ID	179050
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein involved in glycolysis. The encoded protein is a pyruvate kinase that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate to ADP, generating ATP and pyruvate. This protein has been shown to interact with thyroid hormone and may mediate cellular metabolic effects induced by thyroid hormones. This protein has been found to bind Opa protein, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells, suggesting a role of this protein in bacterial pathogenesis. Three alternatively spliced transcript variants encoding two distinct isoforms have been reported. [provided by RefSeq]
Other Designations	OPA-interacting protein 3 PK, muscle type pyruvate kinase M2 thyroid hormone-binding protein, cytosolic

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](#)
- [Carbon fixation in photosynthetic organisms](#)

- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Purine metabolism](#)
- [Pyruvate metabolism](#)
- [Type II diabetes mellitus](#)

Disease

- [Drug Toxicity](#)
- [Edema](#)
- [Hypercholesterolemia](#)