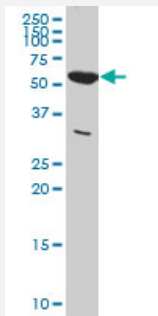


PKM2 monoclonal antibody (M01A), clone 5D2-3B3

Catalog # H00005315-M01A

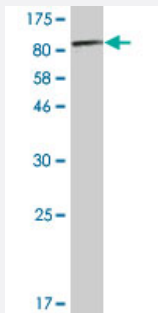
Size 200 uL

Applications



Western Blot (Cell lysate)

PKM2 monoclonal antibody (M01A), clone 5D2-3B3 Western Blot analysis of PKM2 expression in HeLa (Cat # L013V1).



Western Blot detection against Immunogen (84.15 kDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant PKM2.

Immunogen

PKM2 (AAH07640.1, 1 a.a. ~ 531 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 kDa.

Sequence

MSKPHSEAGTAFIQTQQLHAAMADTFLEHMCRLDIDSPITARNTGICTIGPASRSVETLKEMIKSG
MNVARLNFSGHGTHEYHAETIKNVRTATESFASDPILYRPVAVALDTKGPEIRTGLIKSGTAEVELK
KGATLKITLDNAYMEKCDENILWLDYKNICKVVEVGSKIYVDDGLISLQVKQKGADFLVTEVENGGG
LGSKKGVNLPGAAVDLPVSEKDIQDLKFGVEQDQDMVFASFIRKASDVHEVRKVLGEKGKNIKII
SKIENHEGVRRFDEILEASDGIMVARGDLGIEIPAEEKVFLAQKMMIGRCNRAGKPVICATQMLESMI
KKPRPTRAEGSDVANAVLDGADCIMLSGETAKGDYPLEAVRMQHLIAREAEAAIYHLQLFEELRRL
APITSDPTEATAVGAVEASFKCCSGAIVLTKSGRSAHQVARYRPRAPIAVTRNPQTARQAHLRYGI
FPVLCKDPVQEAWAEDVDLRVNFAMNVGKARGFFKKGDVVMLTGWRPGSGFTNTMRVVPVP

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (94)
Isotype	IgM kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (84.15 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PKM2 monoclonal antibody (M01A), clone 5D2-3B3 Western Blot analysis of PKM2 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PKM2

Entrez GeneID	5315
GeneBank Accession#	BC007640
Protein Accession#	AAH07640.1
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

Publication Reference

- [Vacuolar H⁺-ATPase Subunit V0C Regulates Aerobic Glycolysis of Esophageal Cancer Cells via PKM2 Signaling.](#)

Son SW, Chau GC, Kim ST, Um SH.

Cells 2019 Sep; 8(10):E1137.

Application: ChIP, Mouse, TE8 cells

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](#)