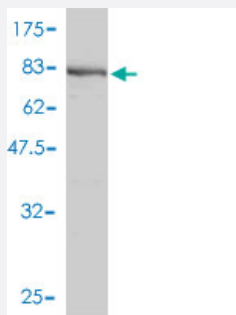


PKM2 polyclonal antibody (A01)

Catalog # H00005315-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (84.52 KDa) .

Specification

Product Description	Mouse polyclonal 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.
Sequence	MSKPHSEAGTAFIQQLHAAMADTFLEHMCRLDIDSPPTARNTGICTIGPASRSVETLKEMIKSG MNVARLNFSGTHEYHAETIKNVRTATESFASDPILYRPVAVALDTKGPEIRTGLIKSGTAEVELK KGATLKITLDNAYMEKCDENILWLDYKNICKVVEVGSKIYVDDGLISLQVKQKGADFLVTEVENGGS LGSKKGVNLPGAAVDLPVSEKDIQDLKFGVEQDVDMVFASFIRKASDVHEVRKVLGEKGKNIKII SKIENHEGVRRFDEILEASDGIMVARGDLGIEIPAEEKVFLAQKMMIGRCNRAGKPVICATQMLESMI KKPRPTRAEAGSDVANAVLDGADCIMLSGETAKGDYPLEAVRMQHIAAREAEEAAMHLQLFEELRRL APITSDPTEATAVGAVEASFKCCSGAIVLTKSGRSAHQVARYRPRAPIIAVTRNPQTARQAHLRYGI FPVLCKDPVQEAWAEDVDLRVNFAMNVGKARGFFKKGDVVMLTGWRPGSGFTNTMRVVPVP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (94)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (84.52 KDa) .
Storage Buffer	50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PKM2

Entrez GeneID	5315
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GeneBank Accession#	BC007640
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Protein Accession#	AAH07640.1
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Gene Name	PKM2
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Gene Alias	CTHBP, MGC3932, OIP3, PK3, PKM, TCB, THBP1
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Gene Description	pyruvate kinase, muscle
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Omim ID	179050
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Gene Ontology	Hyperlink
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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]
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Other Designations	OPA-interacting protein 3 PK, muscle type pyruvate kinase M2 thyroid hormone-binding protein, cytosolic
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Publication Reference

- [Apoptotic DNA degradation into oligonucleosomal fragments, but not apoptotic nuclear morphology, relies on a cytosolic pool of DFF40/CAD endonuclease.](#)

Iglesias-Guimaraes V, Gil-Guiñon E, Gabernet G, García-Belinchón M, Sánchez-Osuna M, Casanelles E, Comella JX, Yuste VJ.
The Journal of Biological Chemistry 2012 Mar; 287(10):7766.

Application: WB-Ce, Human, SK-N-AS, SH-SY5Y 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](#)