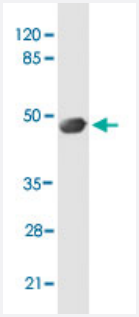
PKM2 monoclonal antibody

Catalog # MAB8733 Size 100 uL

Applications



Western Blot (Recombinant protein)

Western blot analysis of PKM2 monoclonal antibody (Cat # MAB8733) at 1 : 2000 dilution interacts with recombinant PKM2 protein with a DsbA tag. Predicted band size : 45 KDa. Observed band size : 45 KDa.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant PKM2.
Immunogen	Recombinant protein corresponding to N-terminus residues of human PKM2.
Host	Mouse
Reactivity	Human
Specificity	This antibody is specific to PKM2.
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:100-1:2000) ELISA (1:5000-1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)

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Gene Info — PKM2

Entrez GeneID	5315
GeneBank Accession#	NM_182471.1
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 a nd pyruvate. This protein has been shown to interact with thyroid hormone and may mediate cellul ar metabolic effects induced by thyroid hormones. This protein has been found to bind Opa protei n, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of huma n cells, suggesting a role of this protein in bacterial pathogenesis. Three alternatively spliced trans cript 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, c ytosolic

Pathway

- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of alkaloids derived from ornithine

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- 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

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