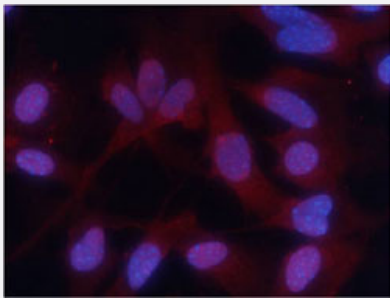


PKM (phospho S37) polyclonal antibody

Catalog # PAB29620 Size 100 uL

Applications



Immunofluorescence

Immunofluorescent staining of methanol-fixed MEF cells using PKM (phospho S37) polyclonal antibody (Cat# PAB29620) at 1:100-1:200 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human PKM.
Immunogen	A synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S37 of human PKM.
Host	Rabbit
Theoretical MW (kDa)	60
Reactivity	Human
Specificity	PKM (phospho S37) polyclonal antibody detects endogenous level of PKM only when phosphorylated at serine 37.
Form	Liquid
Purification	Affinity Chromatography
Recommend Usage	Immunofluorescence (1:100-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

Storage Instruction

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

Note

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

Applications

- Western Blot
- Immunofluorescence

Immunofluorescent staining of methanol-fixed MEF cells using PKM (phospho S37) polyclonal antibody (Cat# PAB29620) at 1:100-1:200 dilution.

Gene Info — PKM2

Entrez GeneID[5315](#)**Protein Accession#**[P14618](#)**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](#)