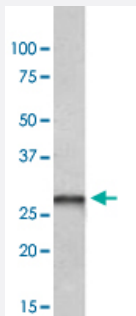


PGAM1/PGAM2/PGAM4 polyclonal antibody

Catalog # PAB6005

Size 100 ug

Applications



Western Blot (Tissue lysate)

The PGAM1/PGAM2/PGAM4 polyclonal antibody (Cat # PAB6005) staining (0.01 ug/mL) of human liver lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of PGAM1/PGAM2/PGAM4.

Immunogen A synthetic peptide corresponding to human PGAM1, PGAM2, PGAM4.

Sequence C-KAMEAVAAQGKAKK

Host Goat

Theoretical MW (kDa) 28.8

Reactivity Human

Specificity This antibody is expected to recognize the products of 3 highly similar genes.

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:32000) Western Blot (0.01-0.03 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 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 (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PGAM1

Entrez GeneID	5223
Protein Accession#	NP_002620.1 (Gene ID : 5223);NP_000281.2 (Gene ID : 5224);NP_001025062.1 (Gene ID : 441531)
Gene Name	PGAM1
Gene Alias	PGAM-B, PGAMA
Gene Description	phosphoglycerate mutase 1 (brain)
Omim ID	172250
Gene Ontology	Hyperlink
Gene Summary	nonmuscle form
Other Designations	OTTHUMP00000020190 OTTHUMP00000059414 phosphoglycerate mutase A, nonmuscle form

Gene Info — PGAM2

Entrez GeneID	5224
Protein Accession#	NP_002620.1 (Gene ID : 5223);NP_000281.2 (Gene ID : 5224);NP_001025062.1 (Gene ID : 441531)
Gene Name	PGAM2
Gene Alias	MGC88743, PGAM-M, PGAMM
Gene Description	phosphoglycerate mutase 2 (muscle)
Omim ID	261670
Gene Ontology	Hyperlink
Gene Summary	Phosphoglycerate mutase (PGAM) catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. The PGAM is a dimeric enzyme containing, in different tissues, different proportions of a slow-migrating muscle (MM) isozyme, a fast-migrating brain (BB) isozyme, and a hybrid form (MB). This gene encodes muscle-specific PGAM subunit. Mutations in this gene cause muscle phosphoglycerate mutase deficiency, also known as glycogen storage disease X. [provided by RefSeq]
Other Designations	Phosphoglycerate mutase, muscle form

Gene Info — PGAM4

Entrez GeneID	441531
Protein Accession#	NP_002620.1 (Gene ID : 5223);NP_000281.2 (Gene ID : 5224);NP_001025062.1 (Gene ID : 441531)
Gene Name	PGAM4
Gene Alias	PGAM-B, PGAM1, PGAM3, dJ1000K24.1
Gene Description	phosphoglycerate mutase family member 4
Omim ID	300567
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000063546 phosphoglycerate mutase family 3 phosphoglycerate mutase family 4 phosphoglycerate mutase processed protein

Publication Reference

- [Isolation of a cDNA encoding the B isozyme of human phosphoglycerate mutase \(PGAM\) and characterization of the PGAM gene family.](#)

Sakoda S, Shanske S, DiMauro S, Schon EA.

The Journal of Biological Chemistry 1988 Nov; 263(32):16899.

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Biosynthesis of terpenoids and steroids](#)

- [Biosynthesis of terpenoids and steroids](#)
- [Glycolysis / Gluconeogenesis](#)
- [Glycolysis / Gluconeogenesis](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Metabolic pathways](#)
- [Metabolic pathways](#)