

PGAM2 mouse monoclonal antibody (hybridoma)

Catalog # H00005224-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant PGAM2.
Immunogen	PGAM2 (NP_000281.2, 1 a.a. ~ 253 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MATHRLVMVRHGESTWNQENRFCGWFDAELSEKGTEEAKRGAKAIKDAKMEFDICYTSVLKRAIRTLWAILDGTDQMWLPVVRTWRLNERHYGGLTGLNKAETAAKHGEEQVKWRRSFDIPPPMDEKHPYNSISKERRYAGLKPGELPTCESLKDTIARALPFWNEEIVPQIKAGKRVLIAAHGNSLRGMVKHLEGMSDQAIMELNLPTGIPVYELNKLKPTKPMQFLGDEETVRKAMEAVAAQGKAK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (94)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)
[Protocol Download](#)
- Western Blot (Recombinant protein)
[Protocol Download](#)
- ELISA

Gene Info — PGAM2

Entrez GeneID [5224](#)

GeneBank Accession# [NM_000290.2](#)

Protein Accession# [NP_000281.2](#)

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

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](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)