

Mouse anti-Human PGAM1 Monoclonal Antibody | anti-PGAM1 antibody

PGAM1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48168	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PGAM1; Monoclonal Antibody; PGAM1 antibody; Phosphoglycerate mutase 1; Phosphoglycerate mutase isozyme B; PGAM-B; PGAMA; anti-PGAM1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, I
Clone Number	AT1G4
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	254
Applicable Applications for anti-PGAM1 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PGAM1 (1-254aa) purified from E. coli
Clone Note	Anti-human PGAM1 mAb, clone AT1G4, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PGAM1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of PGAM1 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PGAM1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PGAM1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : 293T cell lysate Lane 2. : Jurkat cell lysate Lane 3. : Raji cell lysate Lane 4. : A431 cell lysate Lane 5. : HeLa cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PGAM1 antibody	PGAM1 belongs to the phosphoglycerate mutase family. This protein is important components of glucose and 2,3-BPGA (2,3-bisphosphoglycerate) metabolism and 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). Mutations in this protein cause muscle phosphoglycerate mutase efficiency, also known as glycogen storage disease X.
Product Categories/Family for anti-PGAM1 antibody	Signal Transduction; Metabolism
References	Vander-Heiden MG., et al. (2010) Science. 329: 1492-1499.; Jacobowitz DM., et al. (2008) Microvasc Res. 76: 89-93.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505753
NCBI GeneID	5223
NCBI Accession #	NP_002620
NCBI GenBank Nucleotide #	NM_002629.3
UniProt Accession #	P18669; Q9BWC0
Molecular Weight	28,804 Da
NCBI Official Full Name	phosphoglycerate mutase 1 isoform 1
NCBI Official Synonym Full Names	phosphoglycerate mutase 1
NCBI Official Symbol	PGAM1
NCBI Official Synonym Symbols	PGAMA; PGAM-B; HEL-S-35
NCBI Protein Information	phosphoglycerate mutase 1
UniProt Protein Name	Phosphoglycerate mutase 1
UniProt Gene Name	PGAM1
UniProt Synonym Gene Names	PGAMA; PGAM-B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pgam1-antibody-clone-at1g4-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48168>