

ARG57158
anti-PGAM2 antibody [5A7]Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [5A7] recognizes PGAM2
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	5A7
Isotype	IgG2b, kappa
Target Name	PGAM2
Species	Human
Immunogen	Recombinant fragment around aa. 1-253 of Human PGAM2
Conjugation	Un-conjugated
Alternate Names	PGAM-M; Phosphoglycerate mutase isozyme M; EC 3.1.3.13; PGAMM; GSD10; BPG-dependent PGAM 2; Phosphoglycerate mutase 2; EC 5.4.2.11; EC 5.4.2.4; Muscle-specific phosphoglycerate mutase

Application Instructions

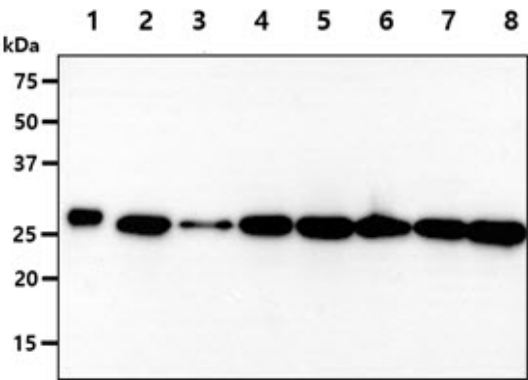
Application table	Application	Dilution
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Database links	GeneID: 5224 Human Swiss-port # P15259 Human
Gene Symbol	PGAM2
Gene Full Name	phosphoglycerate mutase 2 (muscle)
Background	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 efficiency, also known as glycogen storage disease X. [provided by RefSeq, Sep 2009]
Function	Interconversion of 3- and 2-phosphoglycerate with 2,3-bisphosphoglycerate as the primer of the reaction. Can also catalyze the reaction of EC 5.4.2.4 (synthase) and EC 3.1.3.13 (phosphatase), but with a reduced activity. [UniProt]
Calculated Mw	29 kDa

Images



ARG57158 anti-PGAM2 antibody [5A7] WB image

Western blot: 50 ng of 1) Recombinant protein, 40 µg of 2) HeLa, 3) HepG2, 4) 293T, 5) Jurkat, 6) NIH3T3, 7) A549, and 8) MCF7 cell lysates stained with ARG57158 anti-PGAM2 antibody [5A7] at 1:1000.