

ARG57065
anti-PGM1 antibody [84G2]Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [84G2] recognizes PGM1
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	84G2
Isotype	IgG1, kappa
Target Name	PGM1
Species	Human
Immunogen	Recombinant fragment around aa. 1-562 of Human PGM1.
Conjugation	Un-conjugated
Alternate Names	CDG1T; Phosphoglucomutase-1; GSD14; EC 5.4.2.2; Glucose phosphomutase 1; PGM 1

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.

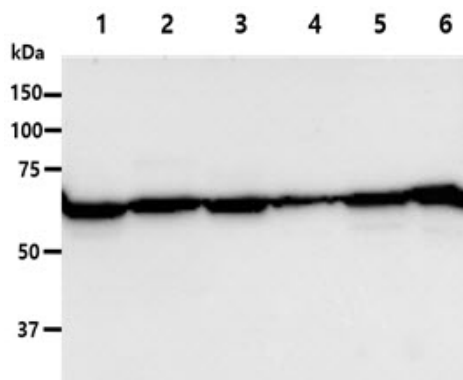
Properties

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.

Bioinformation

Database links	GeneID: 5236 Human Swiss-port # P36871 Human
Gene Symbol	PGM1
Gene Full Name	phosphoglucomutase 1
Background	The protein encoded by this gene is an isozyme of phosphoglucomutase (PGM) and belongs to the phosphohexose mutase family. There are several PGM isozymes, which are encoded by different genes and catalyze the transfer of phosphate between the 1 and 6 positions of glucose. In most cell types, this PGM isozyme is predominant, representing about 90% of total PGM activity. In red cells, PGM2 is a major isozyme. This gene is highly polymorphic. Mutations in this gene cause glycogen storage disease type 14. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene.[provided by RefSeq, Mar 2010]
Function	This enzyme participates in both the breakdown and synthesis of glucose. [UniProt]
Calculated Mw	61 kDa
PTM	Phosphorylation at Thr-467 by PAK1 significantly enhances enzymatic activity.

Images



ARG57065 anti-PGM1 antibody [84G2] WB image

Western blot: 40 µg of 1) 293T cell lysate, 2) HepG2 cell lysate, 3) NIH/3T3 cell lysate, 4) Jurkat cell lysate, 5) HeLa cell lysate, 6) U87MG cell lysate stained with ARG57065 anti-PGM1 antibody [84G2] at 1:1000.