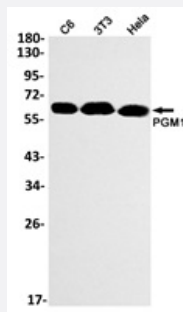


RecomAb™

# PGM1 recombinant monoclonal antibody, clone R08-9G3

Catalog # RAB04883      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of C6, 3T3, HeLa lysates with PGM1 recombinant monoclonal antibody, clone R08-9G3 (Cat # RAB04883).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human PGM1.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human PGM1.
<b>Theoretical MW (kDa)</b>	61
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For long term storage 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 (Cell lysate)

Western blot analysis of C6, 3T3, Hela lysates with PGM1 recombinant monoclonal antibody, clone R08-9G3 (Cat # RAB04883).

- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation

## Gene Info — PGM1

Entrez GeneID	<a href="#">5236</a>
Protein Accession#	<a href="#">P36871</a>
Gene Name	PGM1
Gene Alias	-
Gene Description	phosphoglucomutase 1
Omim ID	<a href="#">171900</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Phosphoglucomutases (PGM; EC 5.4.2.2) catalyze the transfer of phosphate between the 1 and 6 positions of glucose. Isozymes of PGM are monomeric, with molecular masses of about 60 kD, and are encoded by several genes, including PGM1. In most cell types, PGM1 isozymes predominate, representing about 90% of total PGM activity. One exception is red cells, where PGM2 (MIM 172000) is a major isozyme (Putt et al., 1993 [PubMed 8257433]).[supplied by OMIM]
Other Designations	OTTHUMP00000010519 OTTHUMP00000046842

## Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Galactose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)
- [Starch and sucrose metabolism](#)
- [Streptomycin biosynthesis](#)

## Disease

- [Birth Weight](#)
- [Body Weight](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)