



Rabbit Anti-Human PGM1 Polyclonal Antibody (CABT-L2231)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Phosphoglucomutase 1 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against PGM1. It has been selected for its ability to recognize PGM1 in immunohistochemical staining and western blotting.
Target	PGM1
Immunogen	Recombinant fragment corresponding to human PGM1 (Met1~Lys235)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Pig
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	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. Alternativley spliced transcript variants encoding different isoforms have been identified in this gene.[provided by RefSeq, Mar 2010]
Keywords	Glucose phosphomutase 1

GENE INFORMATION

Gene Name	PGM1 phosphoglucomutase 1 [Homo sapiens (human)]
Official Symbol	PGM1
Synonyms	PGM1; phosphoglucomutase 1; CDG1T; GSD14; phosphoglucomutase-1; PGM 1; glucose phosphomutase 1;
Entrez Gene ID	5236
Protein Refseq	NP_001166289
UniProt ID	B7Z6C2
Chromosome Location	1p31
Pathway	Amino sugar and nucleotide sugar metabolism; Disease; Galactose catabolism; Galactose metabolism; Glucose metabolism; Glucuronidation; Glycogen Metabolism; Glycogen breakdown (glycogenolysis);
Function	magnesium ion binding; phosphoglucomutase activity;