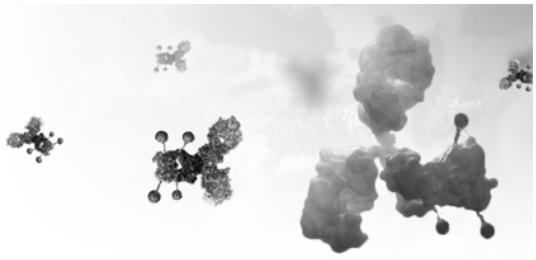

Anti-PGM1 (full length) polyclonal antibody (DPAB-DC2234)

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

PRODUCT INFORMATION

Antigen Description	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]
Immunogen	PGM1 (AAH19920, 1 a.a. ~ 562 a.a) full-length recombinant protein with GST tag. The sequence is MVKIVTVKTQAYQDQKPGTSGLRKRVKVFQSSANYAENFIQSIISTVEPAQRQEATLVVG GDGRFYMKEAIQLIARIAAANGIGRLVIGQNGILSTPAVSCIIRKIKAIGGIILTASHNP GGPNGDFGIKFNISNGGPAPEAITDKIFQISKTIEEYAVCPDLKVDLGVLGKQQFDLENK FKPFTVEIVDSVEAYATMLRSIFDFSALKELLSGPNRLKIRIDAMHGVVGPYVKKILCEE LGAPANSAVNCVPLEDFGGHHPDPNLTYAADLVETMKSGEHDFGAAFDGDGDRNMILGKH GFFVNPSDSVAVIAANIFSIPYFQQTGVRGFARSMPTSGALDRVASATKIALYETPTGWK FFGNLMDASKLSLCGEESFGTGSDHIREKDGLWAVLAWLSILAT
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

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Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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
Function	magnesium ion binding; phosphoglucomutase activity;

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