

## PGM1

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:10 - 1:100

**Calculated MW:**61kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human PGM1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CDG1T; GSD14;

**Catalog #:**A6303

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**5236

**Isotype:**IgG

**Swiss Prot:**P36871

**Purity:**Affinity purification

For research use only.

**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. Alternativley spliced transcript variants encoding different isoforms have been identified in this gene.

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