

**G6PD Antibody**  
Rabbit mAb  
Catalog # AP91271

## Specification

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### G6PD Antibody - Product Information

Application	WB, IHC, FC, ICC
Primary Accession	<a href="#">P11413</a>
Clonality	Monoclonal
<b>Other Names</b>	
G6PD; G6PD1; G6pdx; Glucose 6 phosphate 1 dehydrogenase; Glucose 6 phosphate dehydrogenase; Glucose 6 phosphate dehydrogenase, G6PD; MET19; POS10; Zwflp;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	59257 Da

### G6PD Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human G6PD
Description	Catalyzes the rate-limiting step of the oxidative pentose-phosphate pathway, which represents a route for the dissimilation of carbohydrates besides glycolysis. The main function of this enzyme is to provide reducing power (NADPH) and pentose phosphates for fatty acid and nucleic acid synthesis.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### G6PD Antibody - Protein Information

**Name** G6PD

#### Function

Catalyzes the rate-limiting step of the oxidative pentose- phosphate pathway, which represents a route for the dissimilation of carbohydrates besides glycolysis. The main function of this enzyme is to provide reducing power (NADPH) and pentose phosphates for fatty acid and nucleic acid synthesis.

#### Cellular Location

Cytoplasm, cytosol. Membrane; Peripheral membrane protein

### Tissue Location

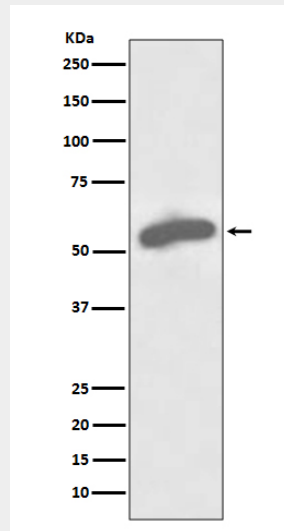
Isoform Long is found in lymphoblasts, granulocytes and sperm

### G6PD Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### G6PD Antibody - Images



Western blot analysis of G6PD expression in MCF7 cell lysate.