

**G6PD Antibody (clone AT2F6)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS12848****Specification**

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**G6PD Antibody (clone AT2F6) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC, WB                |
| Primary Accession | <a href="#">P11413</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 59kDa KDa              |

**G6PD Antibody (clone AT2F6) - Additional Information****Gene ID** 2539**Other Names**

Glucose-6-phosphate 1-dehydrogenase, G6PD, 1.1.1.49, G6PD

**Target/Specificity**

human G6PD (35-506aa)

**Reconstitution & Storage**

Aliquot and store at -20°C. Minimize freezing and thawing.

**Precautions**

G6PD Antibody (clone AT2F6) is for research use only and not for use in diagnostic or therapeutic procedures.

**G6PD Antibody (clone AT2F6) - 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

**Volume**

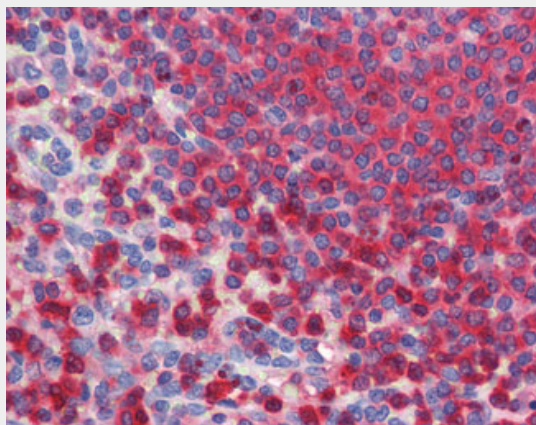
50 µl

## G6PD Antibody (clone AT2F6) - Protocols

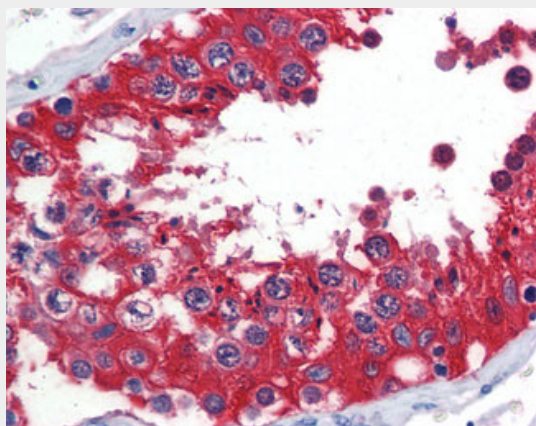
Provided below are standard protocols that you may find useful for product applications.

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

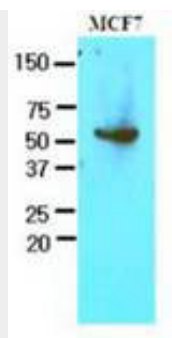
## G6PD Antibody (clone AT2F6) - Images



Anti-G6PD antibody IHC of human spleen.



Anti-G6PD antibody IHC of human testis.



Western analysis of MCF7 cell lysates.

#### **G6PD Antibody (clone AT2F6) - Background**

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.

#### **G6PD Antibody (clone AT2F6) - References**

Persico M.G.,et al.Nucleic Acids Res. 14:2511-2522(1986).  
Martini G.,et al.EMBO J. 5:1849-1855(1986).  
Hirono A.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:3951-3954(1988).  
Chen E.Y.,et al.Genomics 10:792-800(1991).  
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