10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

G6PD Antibody (clone AT2F6)

Mouse Monoclonal Antibody
Catalog # ALS12848

Specification

G6PD Antibody (clone AT2F6) - Product Information

Application	**IHC, WB**
Primary Accession	P11413
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

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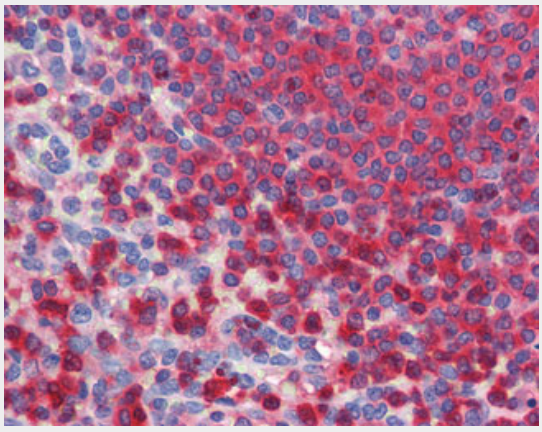
G6PD Antibody (clone AT2F6) - Protocols

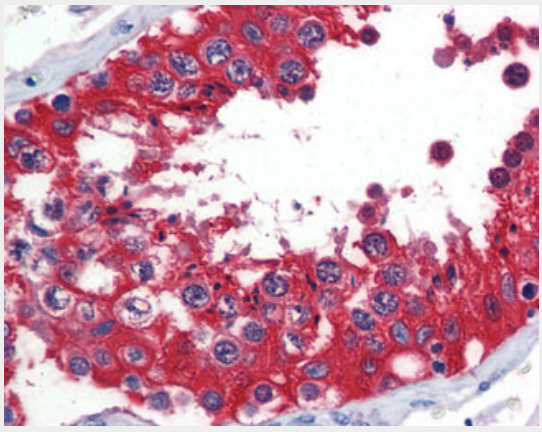
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

G6PD Antibody (clone AT2F6) - Images



Anti-G6PD antibody IHC of human spleen.



Anti-G6PD antibody IHC of human testis.

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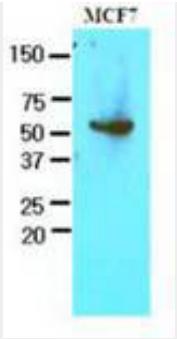

Western analysis of MCF7 cell lysates.

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

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Martini G.,et al.EMBO J. 5:1849-1855(1986).
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Chen E.Y.,et al.Genomics 10:792-800(1991).
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