

G6PD Antibody (aa305-318)
Goat Polyclonal Antibody
Catalog # ALS12726**Specification**

G6PD Antibody (aa305-318) - Product Information

Application	WB, IHC
Primary Accession	P11413
Reactivity	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	59kDa KDa

G6PD Antibody (aa305-318) - Additional Information**Gene ID** 2539**Other Names**

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

Target/Specificity

Human G6PD. This antibody is expected to recognise both reported isoforms (NP_000393.4 and NP_001035810.1).

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

G6PD Antibody (aa305-318) is for research use only and not for use in diagnostic or therapeutic procedures.

G6PD Antibody (aa305-318) - 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 (aa305-318) - Protocols

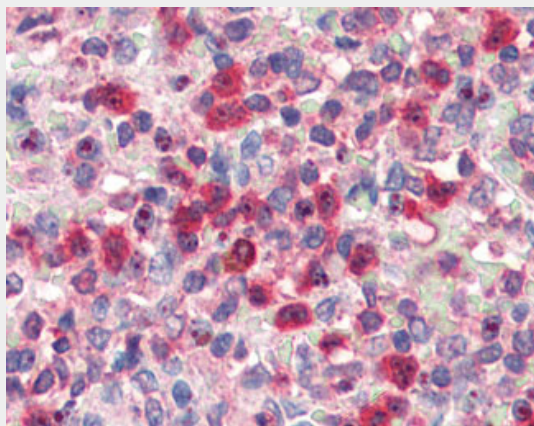
Provided below are standard protocols that you may find useful for product applications.

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

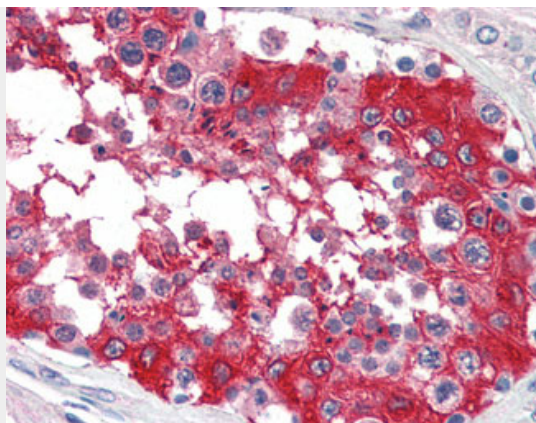
G6PD Antibody (aa305-318) - Images



Antibody (0.1 ug/ml) staining of Human Placenta lysate (35 ug protein in RIPA buffer).



Anti-G6PD antibody IHC of human spleen.



Anti-G6PD antibody IHC of human testis.

G6PD Antibody (aa305-318) - 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 (aa305-318) - 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).
- Chen E.Y.,et al.Hum. Mol. Genet. 5:659-668(1996).