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# 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

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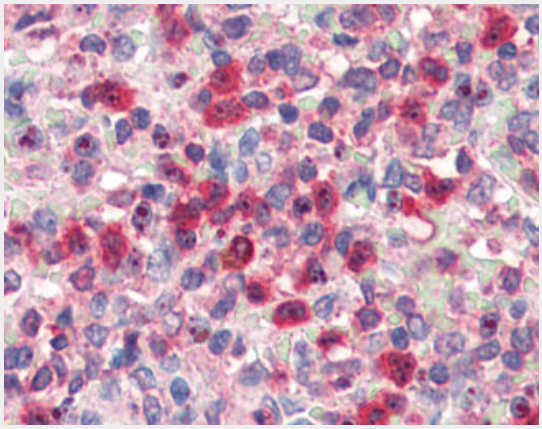
## G6PD Antibody (aa305-318) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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.

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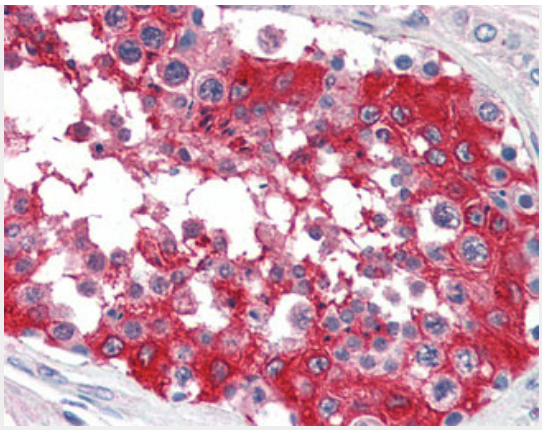

Anti-G6PD antibody IHC of human testis.

## 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

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