

Datasheet for ABIN3031057

anti-Glucose-6-Phosphate Dehydrogenase antibody (AA 297-326)[Go to Product page](#)

5 Images

Overview

Quantity:	0.4 mL
Target:	Glucose-6-Phosphate Dehydrogenase (G6PD)
Binding Specificity:	AA 297-326
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glucose-6-Phosphate Dehydrogenase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 297-326 from the human protein was used as the immunogen for this G6PD antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	Glucose-6-Phosphate Dehydrogenase (G6PD)
Alternative Name:	G6PD (G6PD Products)
Background:	G6PD encodes glucose-6-phosphate dehydrogenase. This protein is a cytosolic enzyme encoded by a housekeeping X-linked gene whose main function is to produce NADPH, a key electron donor in the defense against oxidizing agents and in reductive biosynthetic reactions.

Target Details

G6PD is remarkable for its genetic diversity. Many variants of G6PD, mostly produced from missense mutations, have been described with wide ranging levels of enzyme activity and associated clinical symptoms. G6PD deficiency may cause neonatal jaundice, acute hemolysis, or severe chronic non-spherocytic hemolytic anemia.

UniProt: [P11413](#)

Pathways: [Regulation of Systemic Arterial Blood Pressure by Hormones](#)

Application Details

Application Notes: Titration of the G6PD antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

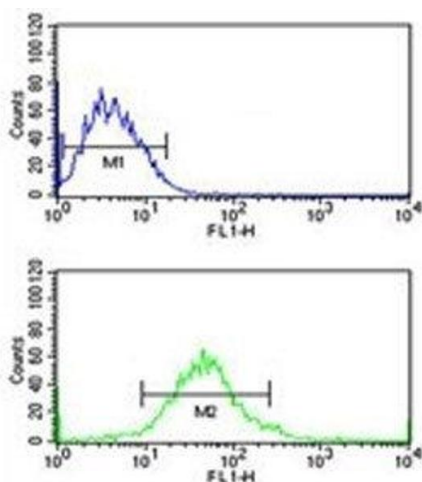
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

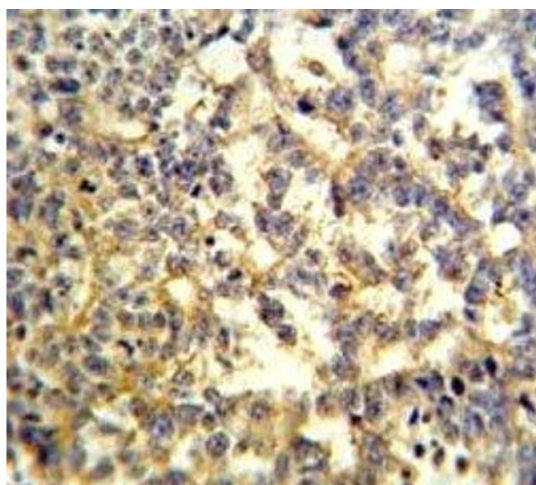
Storage: -20 °C

Storage Comment: Aliquot the G6PD antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



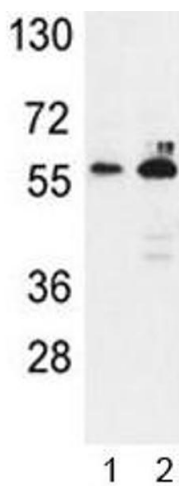
Flow Cytometry

Image 1. G6PD antibody flow cytometric analysis of MCF-7 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Immunohistochemistry

Image 2. G6PD antibody IHC analysis in formalin fixed and paraffin embedded testis.



Western Blotting

Image 3. Western blot analysis of G6PD antibody and 1) K562, 2) MCF-7 lysate. Predicted molecular weight ~59 kDa.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3031057.