A13983

Leader in Biomolecular Solutions for Life Science

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# G6PD Rabbit pAb

**Catalog No.: A13983** 2 Publications

## Basic Information

**Observed MW**
60kDa

**Calculated MW**
59kDa

**Category**
Polyclonal Antibody

**Applications**
WB,IF/ICC,ELISA,IF-P

**Cross-Reactivity**
Human,Mouse,Rat

## Background

This gene 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. 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. Two transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:1000 |
| **IF/ICC** | 1:50 - 1:200 |
| **IF-P** | 1:50 - 1:200 |
| **ELISA** | Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. |

## Contact

www.abclonal.com

## Immunogen Information

**Gene ID**
2539

**Swiss Prot**
P11413

**Immunogen**
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

**Synonyms**
G6PD1; G6PD

## Product Information

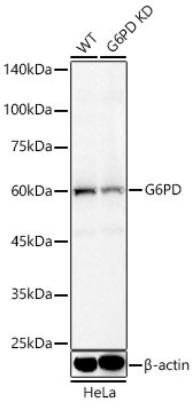
**Source**
Rabbit

**Isotype**
IgG

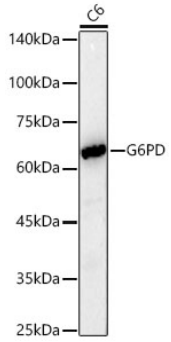
**Purification**
Affinity purification

**Storage**
Store at -20℃

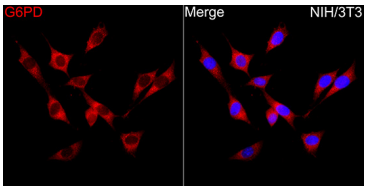
## Validation Data



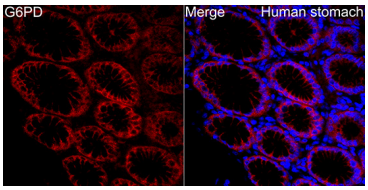

Western blot analysis of lysates from wild type (WT) and G6PD knockdown (KD) HeLa cells using G6PD Rabbit pAb (A13983) at 1:800 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.




Western blot analysis of lysates from C6 cells using G6PD Rabbit pAb (A13983) at 1:800 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time:30s.




Immunofluorescence analysis of NIH/3T3 cells using G6PD Rabbit pAb(A13983) at a dilution of 1:100 (40x lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.




Immunofluorescence analysis of paraffin-embedded Human stomach using G6PD Rabbit pAb(A13983) at a dilution of 1:100 (40x lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.