

## G6PD Rabbit Polyclonal Antibody

### Catalog #: EAB13891

| Host/Isotype | Clonality  | Applications | MW (kDa) | Reactivity   |
|--------------|------------|--------------|----------|--------------|
| Rabbit IgG   | Polyclonal | WB           | 59       | Human, Mouse |

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB(Western Blotting) 1:500-2000

### Product Information

|                |   |
|----------------|---|
| Conjugate      | Unconjugate   |
| Specificity    | G6PD Rabbit Polyclonal Antibody detects endogenous levels of G6PD protein.  |
| Purification   | Affinity purification   |
| Concentration  | 1mg/ml  |
| Format         | Liquid  |
| Formulation    | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol  |
| Shipping       | Gel Pack  |
| Storage        | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles.<br>Aliquots may be stored at +4°C for 1-2 weeks |
| UniProt ID     | <a href="#">P11413</a>  |
| Entrez-Gene ID | <a href="#">2539</a>  |

### Product Description

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.

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