



Anti-G6PD polyclonal antibody (DPABY-744)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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|---------------------|---|
| Antigen Description | Produces pentose sugars for nucleic acid synthesis and main producer of NADPH reducing power. |
| Immunogen | C-STNSDDVRDEKVK |
| Isotype | IgG |
| Source/Host | Goat |
| Species Reactivity | Human |
| Purification | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Conjugate | Unconjugated |
| Applications | ELISA Pr*, IHC, IHC-P, WB |
| Format | Liquid |
| Concentration | 0.5 mg/ml |
| Size | 100 µg |
| Buffer | Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. |
| Preservative | 0.02% Sodium Azide |
| Storage | Aliquot and store at -30°C. Minimize freezing and thawing. |

GENE INFORMATION

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|----------------------------|--|
| Gene Name | G6PD glucose-6-phosphate dehydrogenase [Homo sapiens (human)] |
| Official Symbol | G6PD |
| Synonyms | G6PD; glucose-6-phosphate dehydrogenase; G6PD1; glucose-6-phosphate 1-dehydrogenase; |
| Entrez Gene ID | 2539 |
| Protein Refseq | NP_000393 |
| UniProt ID | P11413 |
| Chromosome Location | Xq28 |
| Pathway | Carbon metabolism; Disease; Glutathione metabolism; Glycogen storage diseases; Metabolism; Metabolism of carbohydrates; Myoclonic epilepsy of Lafora; Pentose Phosphate Pathway; |
| Function | NADP binding; glucose binding; glucose-6-phosphate dehydrogenase activity; protein binding; protein homodimerization activity; |