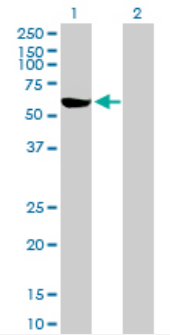
MaxPab®

G6PD purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00002539-D01P Size 100 ug

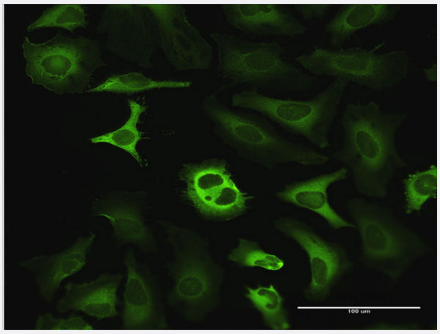
Applications



Western Blot (Transfected lysate)

Western Blot analysis of G6PD expression in transfected 293T cell line (H00002539-T01) by G6PD MaxPab polyclonal antibody.

Lane 1: G6PD transfected lysate(59.30 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to G6PD on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human G6PD protein.
Immunogen	G6PD (NP_001035810.1, 1 a.a. ~ 515 a.a) full-length human protein.
Sequence	MAEQVALSRTQVCGILREELFQGDAFHQSDTHIFIIMGASGDLAKKKIYPTIWWLFRDGLLPENTFIV GYARSRLTVADIRKQSEPFFKATPEEKLKLEDFFARNSYVAGQYDDAASYQRLNSHMNALHLGSQ ANRLFYLALPPTVYEAVTKNIHESCMSQIGWNRIIVEKPFGRDLQSSDRLSNHISSLFREDQIYRIDHY LGKEMVQNLMVLRFANRIFGPIWNRDNIACVILTFKEPFGTEGRGGYFDEFGIIRDVMQNHLLQMLC LVAMEKPASTNSDDVRDEKVKVLKCISEVQANNVVLGQYVGNPDGEGEATKGYLDDPTVPRGS TTATFAAVVLYVENERWDGVPFILRCGKALNERKAEVRLQFHDVAGDIFHQQCKRNELVIRVQPN EAVYTKMMTKKPGMFFNPEESELDLTYGNRYKNVKLPDAYERLILDVFCGSQMHFVRSDELREA WRIFTPLLHQIELEKPKPIPYIYGSRGPTEADELMKRVGFQYEGTYKWVNPHKL

Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Western Blot (Transfected lysate)

  Western Blot analysis of G6PD expression in transfected 293T cell line (H00002539-T01) by G6PD MaxPab polyclonal antibody.

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  Protocol Download

- Immunofluorescence

  Immunofluorescence of purified MaxPab antibody to G6PD on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — G6PD

Entrez GeneID	2539
GeneBank Accession#	NM_001042351.1
Protein Accession#	NP_001035810.1
Gene Name	G6PD
Gene Alias	G6PD1
Gene Description	glucose-6-phosphate dehydrogenase
Omim ID	305900
Gene Ontology	Hyperlink

Gene Summary	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. [provided by RefSeq
Other Designations	OTTHUMP00000026034|glucose-6-phosphate 1-dehydrogenase|glucose-6-phosphate dehydrogenase, G6PD

Pathway

- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of plant hormones
- Glutathione metabolism
- Metabolic pathways
- Pentose phosphate pathway

Disease

- alpha-Thalassemia
- Anemia
- beta-Thalassemia
- Birth Weight
- Cardiovascular Diseases
- Coronary Disease
- Diabetes Mellitus
- Diabetic Ketoacidosis
- Disease Susceptibility
- Edema
- Elliptocytosis

- Encephalitis
- Favism
- Genetic Predisposition to Disease
- Gilbert Disease
- Glucosephosphate Dehydrogenase Deficiency
- Glycogen Storage Disease Type I
- Hemoglobinuria
- Hemolysis
- Hyperbilirubinemia
- Jaundice
- Lymphoma
- Malaria
- Metabolism
- Parasitemia
- Sickle Cell Trait
- Stroke
- Syndrome
- Thalassemia
- Wounds and Injuries