

Rabbit G6PD Polyclonal Antibody | anti-G6PD antibody

G6PD antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200821	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep	Western Blot

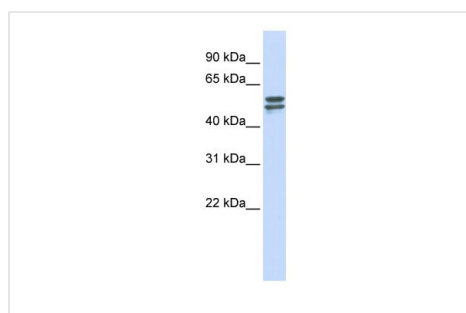
PRODUCT SYNONYMS

G6PD; Polyclonal Antibody; G6PD antibody - middle region; anti-G6PD antibody

PRODUCT SPECIFICATIONS

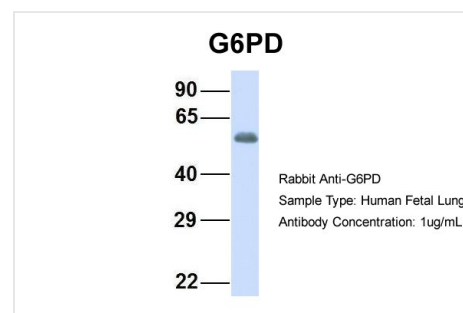
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: VT KNIHESCMSQ IGWNRIIVEK PFGRDLQSSD RLSNHIISLF REDQIYRI
Sequence Length	515
Applicable Applications for anti-G6PD antibody	WB (Western Blot)
Homology	Cow: 85%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 86%; Rabbit: 93%; Rat: 86%; Sheep: 83%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human G6PD
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-G6PD Antibody Titration: 0.2-1 ug/mL
 ELISA Titer: 1:62500
 Positive Control: MCF7 cell lysate
 G6PD is supported by BioGPS gene expression data to be expressed in MCF7



WB (Western Blot)

Host: Rabbit
 Target Name: NSUN6
 Sample Type: Human Fetal Lung
 Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-G6PD antibody	This is a rabbit polyclonal antibody against G6PD. It was validated on Western Blot using a cell lysate as a positive control. Target Description: G6PD is a 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. 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.
Product Categories/Family for anti-G6PD antibody	Polyclonal; Drugs and Drug Metabolism; Various; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	109389365
NCBI GeneID	2539
NCBI Accession #	NP_000393
NCBI GenBank Nucleotide #	NM_000402
UniProt Accession #	P11413
Molecular Weight	57kDa
NCBI Official Full Name	glucose-6-phosphate 1-dehydrogenase isoform a
NCBI Official Synonym Full Names	glucose-6-phosphate dehydrogenase
NCBI Official Symbol	G6PD
NCBI Official Synonym Symbols	G6PD1
NCBI Protein Information	glucose-6-phosphate 1-dehydrogenase
UniProt Protein Name	Glucose-6-phosphate 1-dehydrogenase
UniProt Gene Name	G6PD
UniProt Synonym Gene Names	G6PD
UniProt Entry Name	G6PD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.