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G6PD Antibody

G6PD, glucose-6-phosphate dehydrogenase, G6PD1, glucose-6-phosphate 1-dehydrogenase, glucose-6-phosphate dehydrogenase, G6PD

CATALOG NO.: 45-643

HOST:
Goat

CLONALITY:
Polyclonal

INFORMATION:
G6PD Antibody. This antibody is expected to recognise both reported isoforms (NP_000393.4 and NP_001035810.1).

SOURCE:
G6PD antibody was raised against a synthetic peptide (aa 305-318) of G6PD.

PROTEIN ACCESSION NUMBER(S) :
NP_000393.4 , NP_001035810.1

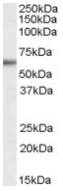
SPECIES REACTIVITY:
Human, Mouse, Rat, Dog

TESTED APPLICATION:
WB, E

APPLICATION:
Peptide ELISA: antibody detection limit dilution 1:8,000. Western Blot: Approx 60kDa band observed in Human Placenta lysates (calculated MW of 62.5kDa according to NP_000393.4 and 59.3kDa according to NP_001035810.1). Recommended concentration: 0.1-0.3µg/ml.

PURIFICATION:
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

BUFFER:
0.1mg of purified antibody in 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.



Western blot analysis of G6PD in Human Placenta lysate (35µg protein in RIPA buffer) using G6PD antibody (0.1µg/ml).

STORAGE:

Aliquot and store at -20°C. Minimize freezing and thawing.

REFERENCE:

Guindo A, Fairhurst RM, Doumbo OK, Wellems TE, Diallo DA. X-Linked G6PD Deficiency Protects Hemizygous Males but Not Heterozygous Females against Severe Malaria. PLoS Med. 2007 Mar 13;4(3):e66 [Epub ahead of print]

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.