

Rabbit anti-Human Glucose 6 Phosphate Dehydrogenase Monoclonal Antibody | anti-G6PD antibody

Glucose 6 Phosphate Dehydrogenase Antibody

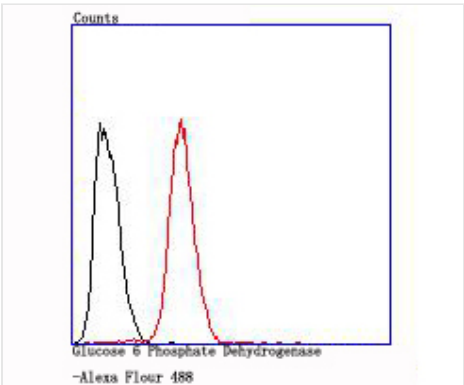
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30344	Rabbit	Human	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Glucose 6 Phosphate Dehydrogenase; Monoclonal Antibody; Glucose 6 Phosphate Dehydrogenase Antibody; G6PD antibody; G6PD_HUMAN antibody; G6PD1 antibody; G6pdx antibody; Glucose 6 phosphate 1 dehydrogenase antibody; Glucose 6 phosphate dehydrogenase antibody; Glucose 6 phosphate dehydrogenase; Glucose-6-phosphate 1-dehydrogenase antibody; MET19 antibody; POS10 antibody; Zwf1p antibody; anti-G6PD antibody

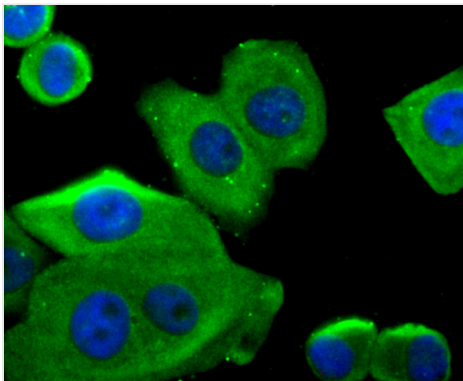
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	JA31-40
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-G6PD antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC/FACS: 1:50-1:100
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.



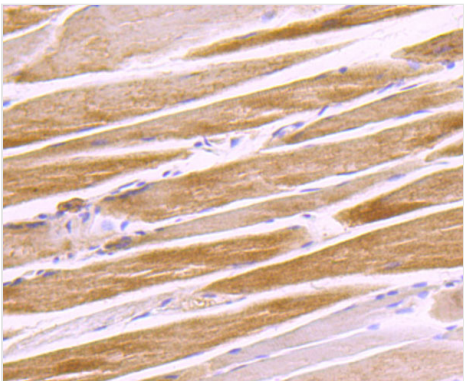
FCM (Flow Cytometry)

Flow cytometric analysis of Hela cells with Glucose 6 Phosphate Dehydrogenase antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).



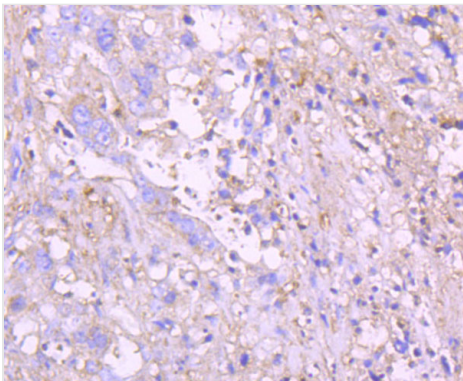
ICC (Immunocytochemistry)

ICC staining Glucose 6 Phosphate Dehydrogenase in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



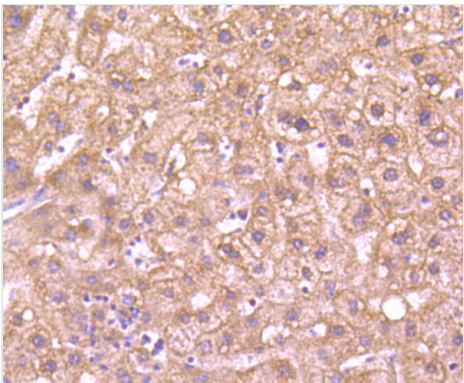
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue using anti-Glucose 6 Phosphate Dehydrogenase antibody. Counter stained with hematoxylin.



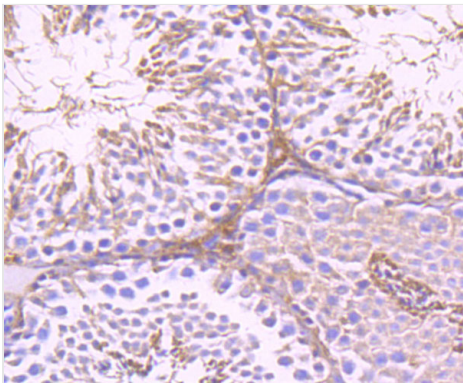
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue using anti-Glucose 6 Phosphate Dehydrogenase antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Glucose 6 Phosphate Dehydrogenase antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse testes tissue using anti-Glucose 6 Phosphate Dehydrogenase antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-G6PD antibody

Glucose-6-phosphate 1-dehydrogenase (G6PD) plays an important role in the pentose phosphate pathway. It is a member of the glucose-6-phosphate dehydrogenase family of proteins. G6PD is a ubiquitous enzyme that produces pentose sugars for nucleic acid synthesis, but is also involved in carbohydrate degradation, as it is one of the main producers of NADPH reducing power. G6PD has NADP as a co-factor and structural element. It can be found as a homodimer or homotetramer, and is primarily detected in lymphoblasts, granulocytes and sperm. Defects in G6PD can cause chronic non-spherocytic hemolytic anemia (CNSHA), especially in areas in which malaria is an epidemic. Individuals with a high level of G6PD-deficiency are at higher risk of acute hemolytic attacks.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1203978
NCBI GeneID	2539
UniProt Accession #	P11413; Q16000; Q16765; Q8IU70; Q8IU88; Q8IUA6; Q96PQ2; D3DWX9
Molecular Weight	59,257 Da
NCBI Official Full Name	G6PD
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; glucose-6-phosphate dehydrogenase, G6PD
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/glucose-6-phosphate-dehydrogenase-antibody-clone-ja31-40-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/30344>