

Mouse H6PD Monoclonal Antibody | anti-H6PD antibody

H6PD antibody

CATALOG # AAA106200	HOST Mouse	APPLICATIONS Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

H6PD; Monoclonal Antibody; H6PD antibody; Monoclonal H6PD; Anti-H6PD; Hexose-6-Phosphate Dehydrogenase; Glucose 1-Dehydrogenase; DKFZp686A01246; G6PDH; GDH; MGC87643; HPD 6; HPD-6; anti-H6PD antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1H6
Purity/Purification	H6PD antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	791
Applicable Applications for anti-H6PD antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	There are 2 forms of glucose-6-phosphate dehydrogenase. G form is X-linked and H form is autosomally linked. This H form shows activity with other hexose-6-phosphates, especially galactose-6-phosphate, whereas the G form is specific for glucose-6-phosphate. Both forms are present in most tissues, but H form is not found in red cells.
Cross-Reactivity	Human
Immunogen	H6PD antibody was raised in mouse using a full length recombinant protein of human H6PD (NP_004276) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant H6PD protein using H6PD antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of H6PD protein in paraffin embedded Carcinoma of Human liver tissue using H6PD antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant H6PD protein (Right) or empty vector (Left) detected with H6PD antibody

ADDITIONAL INFORMATION

Related Product Information for anti-H6PD antibody	Mouse monoclonal H6PD antibody
Product Categories/Family for anti-H6PD antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	52145310
NCBI GeneID	9563
NCBI Accession #	NP_004276
NCBI GenBank Nucleotide #	NM_004285.3
UniProt Accession #	O95479 ; Q4TT33 ; Q66I35 ; Q68DT3
Molecular Weight	88,893 Da
NCBI Official Full Name	GDH/6PGL endoplasmic bifunctional protein isoform 2
NCBI Official Synonym Full Names	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)
NCBI Official Symbol	H6PD
NCBI Official Synonym Symbols	GDH; G6PDH; CORTRD1
NCBI Protein Information	GDH/6PGL endoplasmic bifunctional protein
UniProt Protein Name	GDH/6PGL endoplasmic bifunctional protein
UniProt Gene Name	H6PD
UniProt Synonym Gene Names	GDH; 6PGL
UniProt Entry Name	G6PE_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/h6pd-antibody-clone-1h6-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106200>