

Rabbit H6PD Polyclonal Antibody | anti-H6PD antibody

H6PD Polyclonal Antibody

CATALOG # AAA279964	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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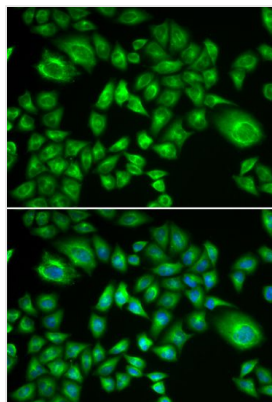
PRODUCT SYNONYMS

H6PD; Polyclonal Antibody; H6PD Polyclonal Antibody; GDH; G6PDH; CORTRD1; anti-H6PD antibody

PRODUCT SPECIFICATIONS

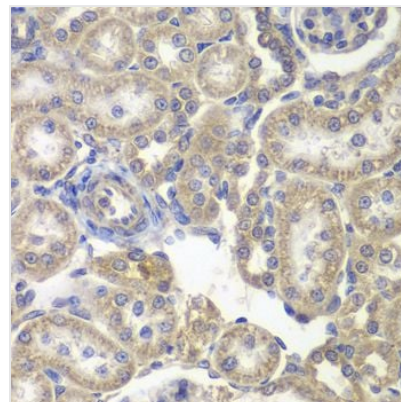
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	791
Applicable Applications for anti-H6PD antibody	WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 20-200 of human H6PD (NP_004276.2).
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



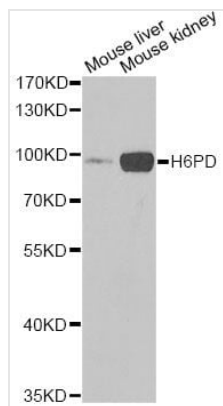
IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells using H6PD antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using H6PD antibody at dilution of 1:200 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using H6PD Antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-H6PD antibody	There are 2 forms of glucose-6-phosphate dehydrogenase. G form is X-linked and H form, encoded by this gene, 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.
Product Categories/Family for anti-H6PD antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	108884809
NCBI GeneID	9563
UniProt Accession #	O95479; Q4TT33; Q66I35; Q68DT3
Molecular Weight	Observed MW: 89kDa Calculated MW: 88kDa
NCBI Official Full Name	GDH/6PGL endoplasmic bifunctional protein
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; G6PD, H form; glucose dehydrogenase; glucose dehydrogenase; glucose 1- dehydrogenase; 6-phosphogluconolactonase; glucose-6-phosphate dehydrogenase, salivary
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.