Product Datasheet

G6PD Antibody

Catalog No: #32301

Package Size: #32301-1 50ul #32301-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

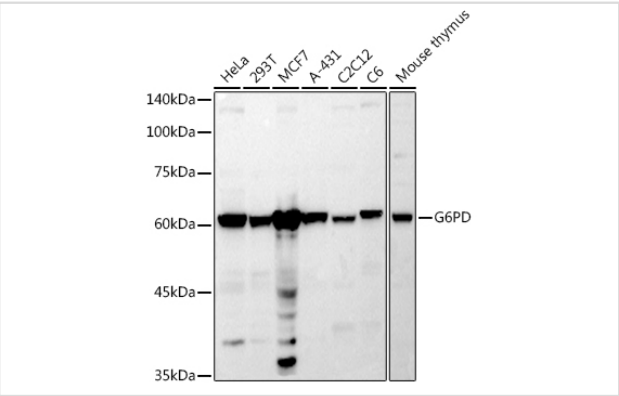
Description

Product Name	G6PD Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total G6PD protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human G6PD (NP_000393.4).
Conjugates	Unconjugated
Target Name	G6PD
Other Names	G6PD;G6PD1
Accession No.	Uniprot:P11413GeneID:2539
SDS-PAGE MW	60KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

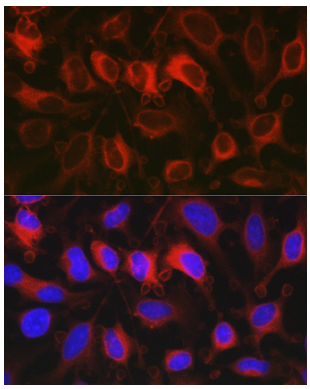
Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using G6PD antibody.



Immunofluorescence analysis of HeLa cells using G6PD Rabbit pAb.

Background

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.

Published Papers

el at., Activity of glucose-6-phosphate dehydrogenease and its correlation with inflammatory factors in diabetic retinopathy. In PLoS One on 2024 Dec 2 by Dan Liu, Chuchu Cheng,et al..PMID:39621725, , (2024)

PMID:39621725

Note: This product is for in vitro research use only and is not intended for use in humans or animals.