

G6PD Rabbit mAb

Catalog No: #59426

Package Size: #59426-1 50ul #59426-2 100ul

Description

Product Name	G6PD Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human
Specificity	G6PD Antibody detects endogenous levels of total G6PD
Immunogen Description	A synthesized peptide derived from human G6PD
Other Names	G6PD; G6PD1; G6pdx; Glucose 6 phosphate 1 dehydrogenase; Glucose 6 phosphate dehydrogenase; Glucose 6 phosphate dehydrogenase, G6PD; MET19; POS10; Zwfp1p;
Accession No.	Uniprot:P11413
Calculated MW	Predicted band size: 59 kDa
SDS-PAGE MW	Observed band size: 55 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

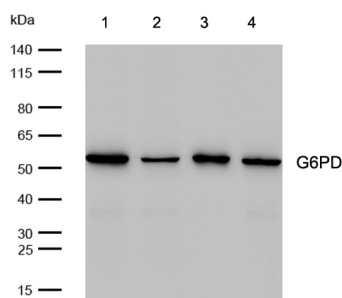
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



All lanes: G6PD Rabbit mAb at 1/1k dilution

Lane 1 : Hela whole cell lysates Lane 2 : JK whole cell lysates
Lane 3 : HepG2 whole cell lysates Lane 4 : MCF-7 whole cell lysates

Lysates/proteins at 20 µg per lane.

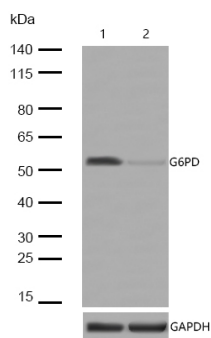
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 59 kDa

Observed band size: 55 kDa

Exposure time: 6 seconds

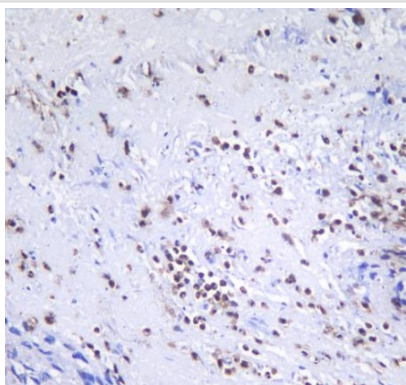


All lanes: G6PD Rabbit mAb at 1/1k dilution

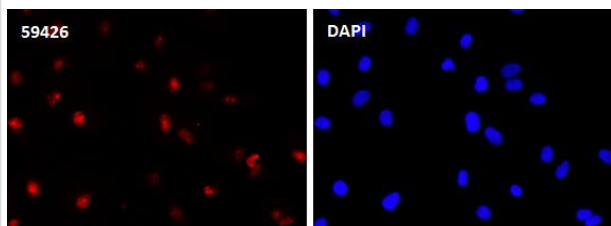
Lane 1 : Wild-type HCT116 cell lysate

Lane 2 : G6PD Rabbit mAb knockdown HCT116 cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human gastric adenocarcinoma tissue stained for G6PD using 59426 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence G6PD antibody (59426) ICC/IF staining of G6PD in A549 cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 59426 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit, used at a dilution of 1/500.

Nuclei

were counterstained with DAPI.

Background

Catalyzes the rate-limiting step of the oxidative pentose-phosphate pathway, which represents a route for the dissimulation of carbohydrates besides glycolysis. The main function of this enzyme is to provide reducing power (NADPH) and pentose phosphates for fatty acid and nucleic acid synthesis.

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