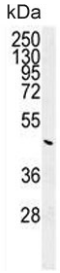
G6PC Antibody (F54816)

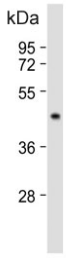
Catalog No.	Formulation	Size
F54816-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54816-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

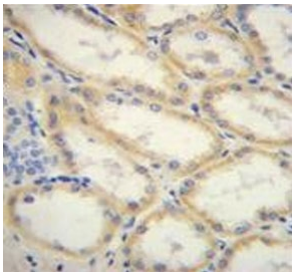
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P35575
Localization	Cytoplasmic
Applications	Flow Cytometry : 1:10-1:50 (1x10e6 cells) Western Blot : 1:500-1:1000 Immunohistochemistry (FFPE) : 1:50-1:100
Limitations	This G6PC antibody is available for research use only.



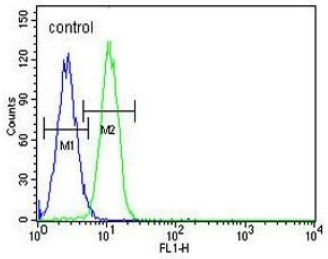
Western blot testing of human K562 cell lysate with G6PC antibody. Predicted molecular weight ~41 kDa.



Western blot testing of human HepG2 cell lysate with G6PC antibody. Predicted molecular weight ~41 kDa.



IHC testing of FFPE human kidney tissue with G6PC antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human K562 cells with G6PC antibody; Blue=isotype control, Green= G6PC antibody.

Description

Glucose-6-phosphatase is an integral membrane protein of the endoplasmic reticulum that catalyzes the hydrolysis of D-glucose 6-phosphate to D-glucose and orthophosphate. It is a key enzyme in glucose homeostasis, functioning in gluconeogenesis and glycogenolysis. Defects in the enzyme cause glycogen storage disease type I.

Application Notes

The stated application concentrations are suggested starting points. Titration of the G6PC antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 123-149 from the human protein was used as the immunogen for the G6PC antibody.

Storage

Aliquot the G6PC antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.