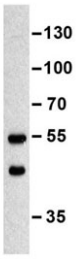
MINPP1 Antibody (F54533)

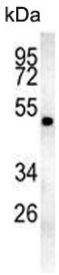
Catalog No.	Formulation	Size
F54533-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54533-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

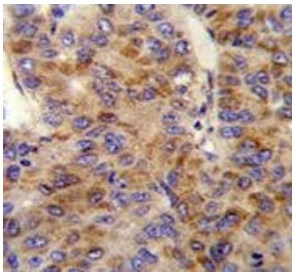
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q9UNW1
Localization	Cytoplasmic
Applications	Western Blot : 1:500-1:2000 Flow Cytometry : 1:25 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:25
Limitations	This MINPP1 antibody is available for research use only.



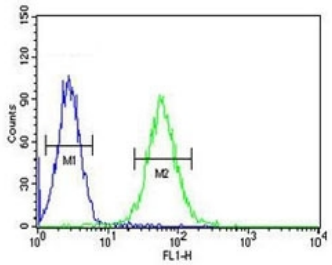
Western blot testing of murine erythroleukemia cell lysate with MINPP1 antibody. Predicted molecular weight ~55 kDa.



Western blot testing of human K562 cell lysate with MINPP1 antibody. Predicted molecular weight ~55 kDa



IHC testing of FFPE human hepatocarcinoma tissue with MINPP1 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 MINPP1 antibody; Blue=isotype control, Green= MINPP1 antibody.

Description

This gene encodes multiple inositol polyphosphate phosphatase; an enzyme that removes 3-phosphate from inositol phosphate substrates. It is the only enzyme known to hydrolzye inositol pentakisphosphate and inositol hexakisphosphate. This enzyme also converts 2,3 bisphosphoglycerate (2,3-BPG) to 2-phosphoglycerate; an activity formerly thought to be exclusive to 2,3-BPG synthase/2-phosphatase (BPGM) in the Rapoport-Luebering shunt of the glycolytic pathway.

Application Notes

The stated application concentrations are suggested starting points. Titration of the MINPP1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 28-55 from the human protein was used as the immunogen for the MINPP1 antibody.

Storage

Aliquot the MINPP1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.