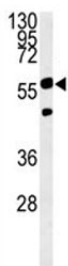


PHGDH Antibody (F48339)

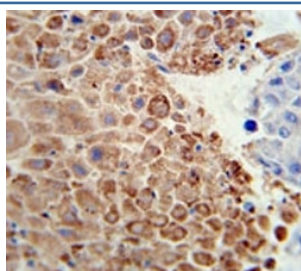
Catalog No.	Formulation	Size
F48339-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48339-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

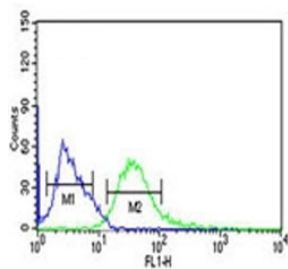
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Primate, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	O43175
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50
Limitations	This PHGDH antibody is available for research use only.



PHGDH antibody western blot analysis in Ramos lysate. Predicted molecular weight ~56 kDa.



PHGDH antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma.



PHGDH antibody flow cytometric analysis of Ramos cells (green) compared to a [negative control](http://www.nsjbio.com/search_result.php?search_txt=n1001) (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

3-Phosphoglycerate dehydrogenase (PHGDH) catalyzes the transition of 3-phosphoglycerate into 3-phosphohydroxypyruvate, which is the first and rate-limiting step in the phosphorylated pathway of serine biosynthesis, using NAD⁺/NADH as a cofactor.

Application Notes

Titration of the PHGDH antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 249-277 from the human protein was used as the immunogen for this PHGDH antibody.

Storage

Aliquot the PHGDH antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.