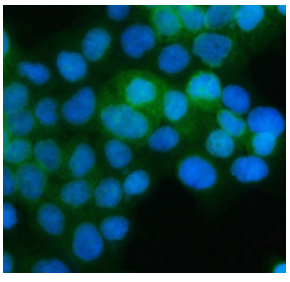
PGDH Antibody / 6-Phosphogluconate Dehydrogenase (RQ8790)

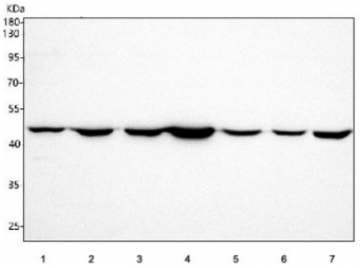
Catalog No.	Formulation	Size
RQ8790	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

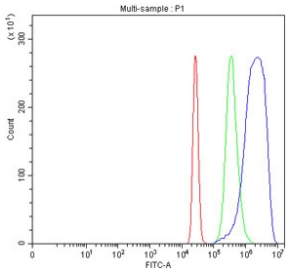
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P52209
Localization	Cytoplasm
Applications	Western blot: 1-2ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This PGDH antibody is available for research use only.



Immunofluorescent staining of FFPE human A431 cells with PGDH antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human Jurkat, 3) human HepG2, 4) human A549, 5) rat liver, 6) rat PC-12 and 7) mouse RAW264.7 cell lysate with PGDH antibody. Predicted molecular weight ~53 kDa.



Flow cytometry testing of fixed and permeabilized human HepG2 cells with PGDH antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PGDH antibody.

Description

6-phosphogluconate dehydrogenase is the second dehydrogenase in the pentose phosphate shunt. Deficiency of this enzyme is generally asymptomatic, and the inheritance of this disorder is autosomal dominant. Hemolysis results from combined deficiency of 6-phosphogluconate dehydrogenase and 6-phosphogluconolactonase suggesting a synergism of the two enzymopathies. Several transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the PGDH antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids D24-R447) was used as the immunogen for the PGDH antibody.

Storage

After reconstitution, the PGDG antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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