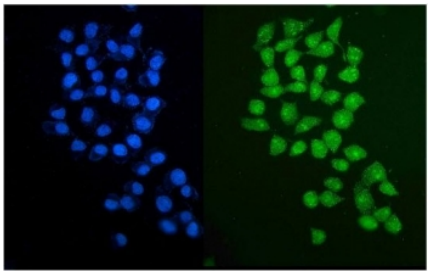
PARP2 Antibody (RQ6109)

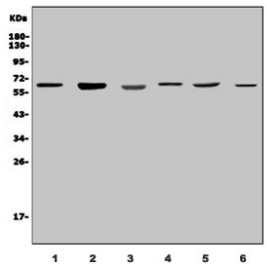
Catalog No.	Formulation	Size
RQ6109	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

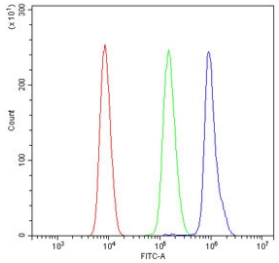
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9UGN5
Localization	Nuclear
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This PARP2 antibody is available for research use only.



Immunofluorescent staining of FFPE human HepG2 cells with PARP2 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) rat testis and human 2) HEK293, 3) HL60, 4) U-2 OS, 5) HepG2 and 6) A431 lysate with PARP2 antibody. Predicted molecular weight ~66 kDa.



Flow cytometry testing of human HL60 cells with PARP2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PARP2 antibody.

Description

Poly [ADP-ribose] polymerase 2 is an enzyme that in humans is encoded by the PARP2 gene. This gene encodes poly(ADP-ribosyl)transferase-like 2 protein, which contains a catalytic domain and is capable of catalyzing a poly(ADP-ribosyl)ation reaction. This protein has a catalytic domain which is homologous to that of poly (ADP-ribosyl) transferase, but lacks an N-terminal DNA binding domain which activates the C-terminal catalytic domain of poly (ADP-ribosyl) transferase. The basic residues within the N-terminal region of this protein may bear potential DNA-binding properties, and may be involved in the nuclear and/or nucleolar targeting of the protein. Two alternatively spliced transcript variants encoding distinct isoforms have been found.

Application Notes

Optimal dilution of the PARP2 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids R13-E253) was used as the immunogen for the PARP2 antibody.

Storage

After reconstitution, the PARP2 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