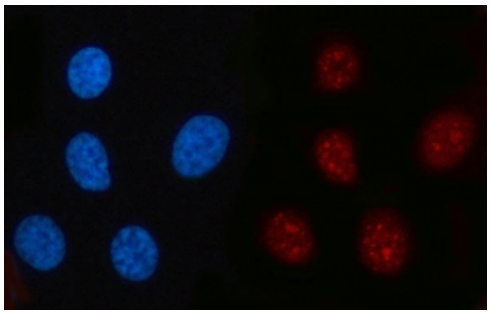
RFC2 Antibody / Replication factor C subunit 2 (RQ7817)

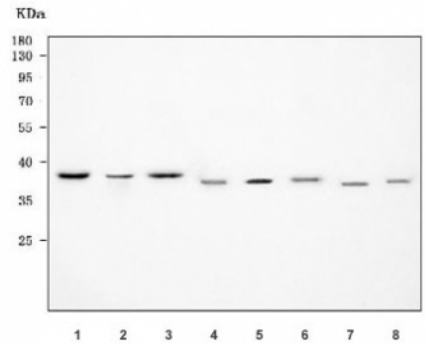
Catalog No.	Formulation	Size
RQ7817	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

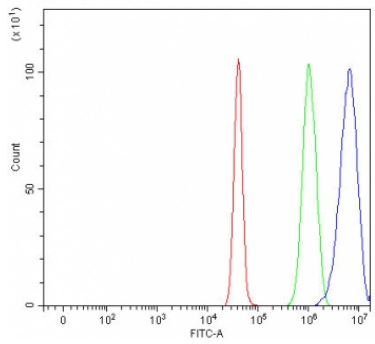
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P35250
Localization	Nuclear
Applications	Western blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This RFC2 antibody is available for research use only.



Immunofluorescent staining of FFPE human PC-3 cells with RFC2 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human MCF7, 3) human Raji, 4) human U-251, 5) rat C6, 6) rat PC-12, 7) mouse Neuro-2a and 8) mouse SP2/0 cell lysate with RFC2 antibody. Predicted molecular weight ~39 kDa.



Flow cytometry testing of human U-251 cells with RFC2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RFC2 antibody.

Description

Replication factor C subunit 2, also called Activator 1 40 kDa subunit (A1 40 kDa subunit) and Replication factor C 40 kDa subunit (RF-C 40 kDa subunit or RFC40), is a protein that in humans is encoded by the RFC2 gene. This gene encodes a member of the activator 1 small subunits family. The elongation of primed DNA templates by DNA polymerase delta and epsilon requires the action of the accessory proteins, proliferating cell nuclear antigen (PCNA) and replication factor C (RFC). Replication factor C, also called activator 1, is a protein complex consisting of five distinct subunits. This gene encodes the 40 kD subunit, which has been shown to be responsible for binding ATP and may help promote cell survival. Disruption of this gene is associated with Williams syndrome. Alternatively spliced transcript variants encoding distinct isoforms have been described. A pseudogene of this gene has been defined on chromosome 2.

Application Notes

Optimal dilution of the RFC2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids E40-K313) was used as the immunogen for the RFC2 antibody.

Storage

After reconstitution, the RFC2 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