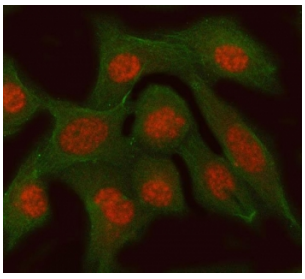
RFC3 Antibody / Replication factor C subunit 3 (RQ7818)

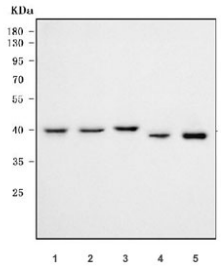
Catalog No.	Formulation	Size
RQ7818	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

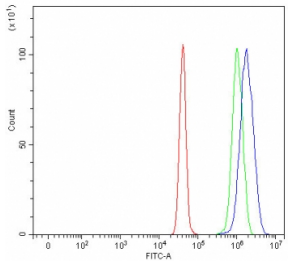
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P40938
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This RFC3 antibody is available for research use only.



Immunofluorescent staining of FFPE human PC-3 cells with RFC3 antibody (red) and Alpha Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human Jurkat, 3) human Daudi, 4) rat liver and 5) mouse liver tissue lysate with RFC3 antibody. Predicted molecular weight: 38-41 kDa.



Flow cytometry testing of human U-251 cells with RFC3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RFC3 antibody.

Description

Replication factor C subunit 3, also called Activator 1 38 kDa subunit (A1 38 kDa subunit) and Replication factor C 38 kDa subunit (RF-C 38 kDa subunit or RFC38), is a protein that in humans is encoded by the RFC3 gene. The elongation of primed DNA templates by DNA polymerase delta and DNA polymerase epsilon requires the accessory proteins proliferating cell nuclear antigen (PCNA) and replication factor C (RFC). RFC, also named activator 1, is a protein complex consisting of five distinct subunits of 140, 40, 38, 37, and 36 kDa. This gene encodes the 38 kDa subunit. This subunit is essential for the interaction between the 140 kDa subunit and the core complex that consists of the 36, 37, and 40 kDa subunits. Alternatively spliced transcript variants encoding distinct isoforms have been described.

Application Notes

Optimal dilution of the RFC3 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids D6-E333) was used as the immunogen for the RFC3 antibody.

Storage

After reconstitution, the RFC3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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