10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RFC2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2797a

Specification

RFC2 Antibody (N-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P35250
Other Accession	Q641W4, Q05B83
Reactivity	**Human, Rat**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**17-46**

RFC2 Antibody (N-term) - Additional Information

Gene ID 5982

Other Names
Replication factor C subunit 2, Activator 1 40 kDa subunit, A1 40 kDa subunit, Activator 1 subunit 2, Replication factor C 40 kDa subunit, RF-C 40 kDa subunit, RFC40, RFC2

Target/Specificity
This RFC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-46 amino acids from the N-terminal region of human RFC2.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RFC2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RFC2 Antibody (N-term) - Protein Information

Name RFC2

Function Subunit of the replication factor C (RFC) complex which acts during elongation of primed DNA templates by DNA polymerases delta and epsilon, and is necessary for ATP-dependent loading of proliferating cell nuclear antigen (PCNA) onto primed DNA (PubMed:9488738). This subunit binds ATP (By similarity).

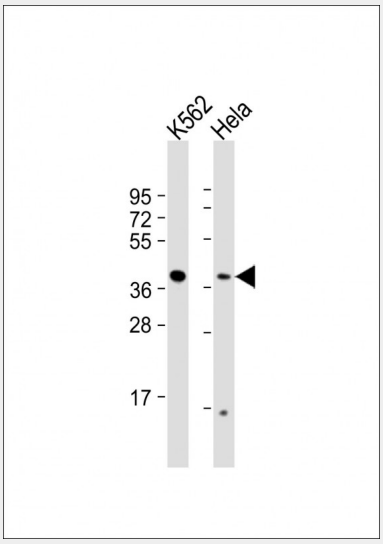
Cellular Location
Nucleus.

RFC2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

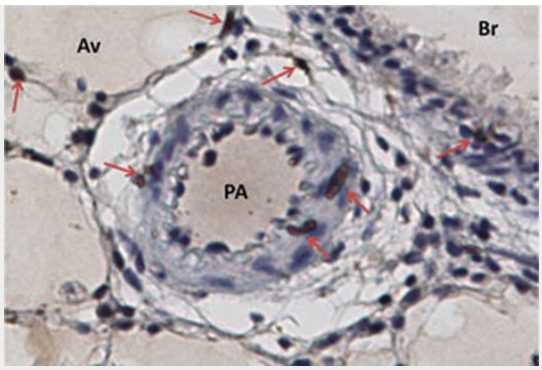
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RFC2 Antibody (N-term) - Images

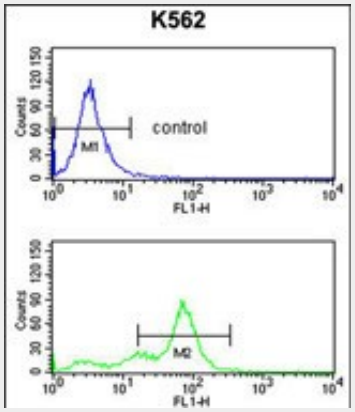


All lanes : Anti-RFC2 Antibody (N-term) at 1:1000 dilution Lane 1: K562 whole cell lysate Lane 2: Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Rat lung, taken with 40x objective. Immunohistochemistry with RFC2 Antibody (N-term)(Cat.#AP2797a), 1:200 dilution,counter stained with Hematoxylin. Positive cells identified with arrows. Av-Alveoli, Br-Bronchus, Pa-Pulmonary Artery. (Provided by Hirotaka Ata,University of South Alabama, Dept of Biochem and Mol Biol)



RFC2 Antibody (N-term) (Cat. #AP2797a) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

RFC2 Antibody (N-term) - Background

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). RFC, also called activator 1, is a protein complex consisting of five distinct subunits of 145, 40, 38, 37, and 36.5 kD. RFC2 is the 40 kD subunit, which has been shown to be responsible for binding ATP. Deletion of RFC2 gene has been associated with Williams syndrome.

RFC2 Antibody (N-term) - References

Tomida,J., J. Biol. Chem. 283 (14), 9071-9079 (2008) Gupte,R.S., Cell Cycle 4 (2), 323-329 (2005)