
Product Name: RFC3 Rabbit Polyclonal Antibody**Catalog #: APRab17050**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	40kDa

Antigen Information

Gene Name	RFC3
Alternative Names	RFC3; Replication factor C subunit 3; Activator 1 38 kDa subunit; A1 38 kDa subunit; Activator 1 subunit 3; Replication factor C 38 kDa subunit; RF-C 38 kDa subunit; RFC38
Gene ID	5983.0
SwissProt ID	P40938
Immunogen	The antiserum was produced against synthesized peptide derived from human RFC3. AA range:178-227

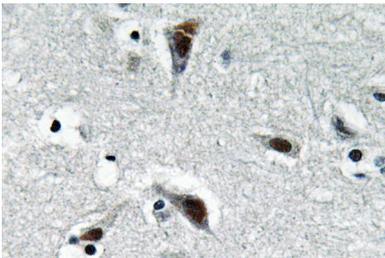
Background

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. [provided by RefSeq, Jul 2008],function: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 activator 1.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the activator 1 small subunits family.,subunit:Heterotetramer of subunits RFC2, RFC3, RFC4 and RFC5 that can form a complex either with RFC1 or with RAD17. The former interacts with PCNA in the presence of ATP, while the latter has ATPase activity but is not stimulated by PCNA.,

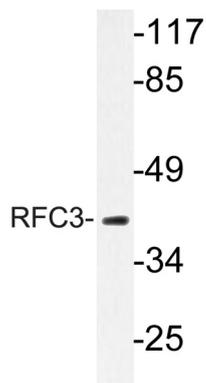
Research Area

DNA replication;Nucleotide excision repair;Mismatch repair;

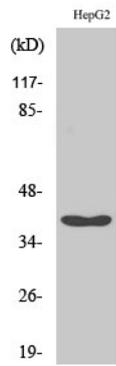
Image Data



Immunohistochemistry analysis of RFC3 antibody in paraffin-embedded human brain tissue.



Western blot analysis of lysate from HepG2 cells, using RFC3 antibody.



Western Blot analysis of various cells using RFC3 Polyclonal Antibody.