

For Research Use Only

# RFC3 Polyclonal antibody

Catalog Number: 11814-1-AP

Featured Product

5 Publications



## Basic Information

### Catalog Number:

11814-1-AP

### Size:

260 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2269

### GenBank Accession Number:

BC000149

### GeneID (NCBI):

5983

### UNIPROT ID:

P40938

### Full Name:

replication factor C (activator 1) 3,  
38kDa

### Calculated MW:

40 aa, 6 kDa

### Observed MW:

38 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 µg for 1.0-3.0 mg of total  
protein lysate

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IF/ICC, IP, ELISA

### Cited Applications:

WB, ColP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : human liver tissue, HeLa cells, human heart tissue

IP : HeLa cells,

IF/ICC : HepG2 cells,

## Background Information

RFC3, also known as RFC38, is a 356 amino acid protein, which localizes in nucleus. Replication factor C (RFC) is a component of the eukaryotic DNA polymerase. In all eukaryotic cell cycles, it is essential for DNA duplication, DNA injury repair and checkpoint control. RFC consists of five subunits (RFC1-5). The interrelationships between RFC2, RFC3 and the c-MYC oncogene (transcription factor) can induce cell division and proliferation. RFC3 is associated with liver, breast, esophageal and ovarian cancer, and serves a critical role in cellular proliferation, invasion and metastasis. RFC3 exists two isoforms with molecular weight of 34 kDa and 38-40 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jianguo Yang	33691114	Cell Rep	WB
Kai Ren	34930359	Virol J	WB
Wei Wang	38682160	Acta Biochim Biophys Sin (Shanghai)	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

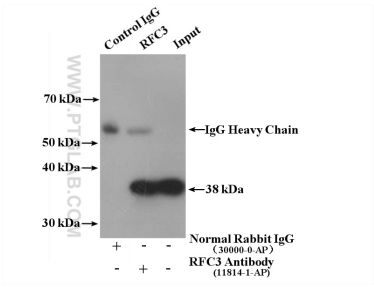
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

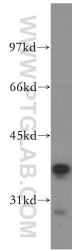
W: [ptgcn.com](http://ptgcn.com)

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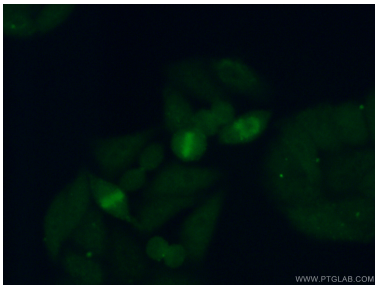
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 11814-1-AP (RFC3 antibody) at dilution of 1:300.



human liver tissue were subjected to SDS PAGE followed by western blot with 11814-1-AP (RFC3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 11814-1-AP (RFC3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).