

For Research Use Only

# RFC5 Polyclonal antibody

Catalog Number: 10385-1-AP



## Basic Information

**Catalog Number:**  
10385-1-AP

**Size:**  
150ul , Concentration: 350 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;

**Source:**  
Rabbit

**Isotype:**  
IgG

**Immunogen Catalog Number:**  
AG0584

**GenBank Accession Number:**  
BC001866

**GeneID (NCBI):**  
5985

**Full Name:**  
replication factor C (activator 1) 5,  
36.5kDa

**Calculated MW:**  
36 aa, 5 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:200-1:1000  
IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB

## Applications

**Tested Applications:**  
IP, WB, ELISA

**Species Specificity:**  
human, mouse, rat

**Positive Controls:**

**WB :** HeLa cells,

**IP :** HeLa cells,

## Background Information

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 kD. Replication factor C5 (RFC5, synonyms: RFC36, MGC1155) is the 36 kDa subunit. This subunit can interact with the C-terminal region of PCNA and form a core complex with the 38 and 40 kDa subunits. The core complex possesses DNA-dependent ATPase activity, which was found to be stimulated by PCNA in an in vitro system.

## 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

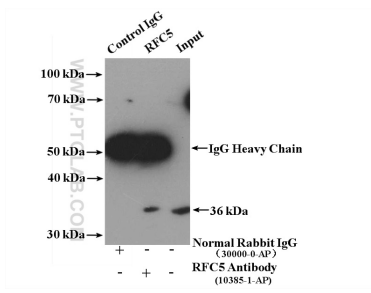
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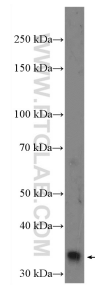
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## Selected Validation Data



IP result of anti-RFC5 (IP:10385-1-AP, 4ug; Detection:10385-1-AP 1:300) with HeLa cells lysate 3000 ug.



HeLa cells were subjected to SDS PAGE followed by western blot with 10385-1-AP (RFC5 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.