

For Research Use Only

RFC5 Polyclonal antibody

Catalog Number: 10385-1-AP

3 Publications



Basic Information

Catalog Number:

10385-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0584

GenBank Accession Number:

BC001866

GeneID (NCBI):

5985

UNIPROT ID:

P40937

Full Name:

replication factor C (activator 1) 5,

36.5kDa

Calculated MW:

36 aa, 5 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

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

Applications

Tested Applications:

IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

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 kD 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Marie Morimoto	39106866	Am J Hum Genet	WB
Yi-Chang Wang	36961817	Cell Rep	WB
Yi-Chang Wang	36778247	bioRxiv	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:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



IP result of anti-RFC5 (IP:10385-1-AP, 4ug;
Detection:10385-1-AP 1:4000) with HeLa cells
lysate 1320 ug.