

Datasheet for ABIN389314
anti-RFC5 antibody (AA 170-200)

4 Images

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Overview

Quantity:	400 µL
Target:	RFC5
Binding Specificity:	AA 170-200
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RFC5 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This RFC5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 170-200 amino acids from the Central region of human RFC5.
Clone:	RB17319
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	RFC5
Alternative Name:	RFC5 (RFC5 Products)

Target Details

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 kD. RFC5 is the 36 kD subunit. This subunit can interact with the C-terminal region of PCNA. It forms 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.
Molecular Weight:	38497
Gene ID:	5985
NCBI Accession:	NP_001123584 , NP_031396 , NP_853556
UniProt:	P40937
Pathways:	Telomere Maintenance , DNA Damage Repair , DNA Replication , Synthesis of DNA

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. RFC5 Antibody (Center) (ABIN389314 and ABIN2839435) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of anti-RFC5 Antibody (Center) (ABIN389314 and ABIN2839435) in Hela cell line lysates (35 µg/lane). RFC5(arrow) was detected using the purified Pab.

Western Blotting

Image 3. Western blot analysis of anti-RFC5 Antibody (Center) (ABIN389314 and ABIN2839435) in rat SMC cell line lysates (35 µg/lane). RFC5(arrow) was detected using the purified b(Provided by Hirotaka Ata).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN389314.