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Datasheet for ABIN6146883
anti-RFC5 antibody (AA 181-340)

1 Image

Overview

Quantity:	100 µL
Target:	RFC5
Binding Specificity:	AA 181-340
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RFC5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 181-340 of human RFC5 (NP_031396.1).
Sequence:	LMVPRLEHVV EEEKVDISED GMKALVTLSS GDMRRALNIL QSTNMAFGKV TEETVYTCTG HPLKSDIANI LDWMLNQDFT TAYRNITELK TLKGLALHDI LTEIHLFVHR VDFPSSVRIH LLTKMADIEY RLSVGTNEKI QLSSLIAAFQ VTRDLIVAEA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	RFC5
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Target Details

Alternative Name: [RFC5 \(RFC5 Products\)](#)

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. This gene encodes 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. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 9.,RFC5,RFC36,Epigenetics & Nuclear Signaling,RFC5

Molecular Weight: 36 kDa/38 kDa

Gene ID: 5985

UniProt: [P40937](#)

Pathways: [Telomere Maintenance](#), [DNA Damage Repair](#), [DNA Replication](#), [Synthesis of DNA](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Comment: HIGH QUALITY

Restrictions: For Research Use only

Handling

Format: Liquid

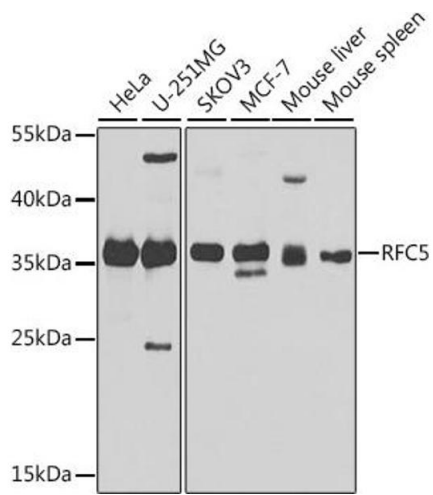
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using RFC5 antibody (ABIN6132221, ABIN6146883, ABIN6146884 and ABIN6224077) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.