

Datasheet for ABIN7601691
anti-RFC4 antibody (AA 42-323)



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Overview

Quantity:	100 µg
Target:	RFC4
Binding Specificity:	AA 42-323
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RFC4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-RFC4 Antibody Picoband®
Immunogen:	E.coli-derived human RFC4 recombinant protein (Position: E42-Q323).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-RFC4 Antibody Picoband® (ABIN7601691). Tested in ELISA, IF, ICC, WB, Flow Cytometry applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	RFC4
Alternative Name:	RFC4 (RFC4 Products)
Background:	Synonyms: Protein Hook homolog 3, h-hook3, Hhk3, HOOK3 Tissue Specificity: Highly expressed in chromaffin cells of the adrenal medulla (at protein level). Detected in peripheral sympathetic ganglia (at protein level). Found in some paracrine cells in stomach and duodenum (at protein level). Background: Replication factor C subunit 4 is a protein that in humans is encoded by the RFC4 gene. 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 37 kD subunit. This subunit forms a core complex with the 36 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. Alternatively spliced transcript variants encoding the same protein have been reported.
Molecular Weight:	37 kDa
Gene ID:	5984
UniProt:	P35249
Pathways:	Telomere Maintenance , DNA Damage Repair , DNA Replication , Synthesis of DNA

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Bowman, G. D., O'Donnell, M., Kuriyan, J. Structural analysis of a eukaryotic sliding DNA clamp-clamp loader complex. Nature 429: 724-730, 2004. 2. Chen, M., Pan, Z.-Q., Hurwitz, J. Studies of the cloned 37- kDa subunit of activator 1 (replication factor C) of HeLa cells. Proc. Nat. Acad. Sci. 89: 5211-5215, 1992. 3. Okumura, K., Nogami, M., Taguchi, H., Dean, F. B., Chen, M., Pan, Z.-Q., Hurwitz, J., Shiratori, A., Murakami, Y., Ozawa, K., Eki, T. Assignment of the 36.5- kDa (RFC5), 37- kDa (RFC4), 38- kDa (RFC3), and 40- kDa (RFC2) subunit genes of human replication factor C to chromosome bands 12q24.2-q24.3, 3q27, 13q12.3-q13, and 7q11.23. Genomics 25: 274-278, 1995.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.