

Datasheet for ABIN2782476
anti-RFC4 antibody (Middle Region)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	RFC4
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Dog, Pig, Cow, Horse, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RFC4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RFC4
Sequence:	DKLEAVVKDL IDEGHAATQL VNQLHDVVVE NNLSDKQKSI ITEKLAEVDK
Predicted Reactivity:	Cow: 93%, Dog: 86%, Guinea Pig: 86%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 93%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against RFC4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	RFC4
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Target Details

Alternative Name:	RFC4 (RFC4 Products)
Background:	The elongation of primed DNA templates by DNA polymerase delta and epsilon requires the action of the accessory proteins proliferating cell nuclear antigen (PCNA) and activator 1. This subunit may be involved in the elongation of the multiprimed DNA template. 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. Alias Symbols: A1, MGC27291, RFC37 Protein Interaction Partner: RNF41, UBC, RFC5, PCNA, TP53, SUMO2, RPA3, RPA2, RPA1, RNF2, C14orf166, RTCB, RPL26L1, DIMT1, NELFB, EDC4, IGF2BP3, EIF2B2, EIF2B3, YBX3, QARS, NMT1, HNRNPM, MRE11A, ILF2, HNRNPU, FLII, FKBP3, EPRS, DHX9, DDX1, ABCF1, PARK2, TARDBP, MPG, RFC2, MYC, FN1, P Protein Size: 363
Molecular Weight:	40 kDa
Gene ID:	5984
NCBI Accession:	NM_002916 , NP_002907
UniProt:	P35249
Pathways:	Telomere Maintenance , DNA Damage Repair , DNA Replication , Synthesis of DNA

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 363 AA
Restrictions:	For Research Use only

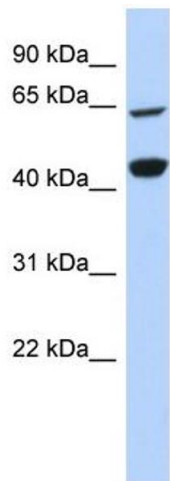
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-RFC4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: 721_B cell lysate RFC4 is supported by BioGPS gene expression data to be expressed in 721_B