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Datasheet for ABIN2773876
anti-RFC5 antibody (N-Term)

3 Images

Overview

Quantity:	100 µL
Target:	RFC5
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Cow, Saccharomyces cerevisiae, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RFC5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human RFC5
Sequence:	METSALKQQE QPAATKIRNL PWVEKYRPQT LNDLISHQDI LSTIQKFINE
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rat: 100%, Yeast: 90%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against RFC5. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

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. 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. 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. Alternatively spliced transcript variants encoding distinct isoforms have been reported.

Alias Symbols: MGC1155, RFC36

Protein Interaction Partner: NAB2, XIAP, TRIM38, HUWE1, RFC4, SUMO2, PCNA, UBC, RPA3, RPA2, RPA1, EED, FBXO6, MMS19, VCP, ECT2, MDC1, MTMR2, RFC3, RFC2, RFC1, CAND1, CUL3, NEDD8, HDGF, SMARCAD1, PIDD1, MYC, RPAP3, MEPCE, RUVBL2, LRIF1, COPS6, MED31, RBM48, UNC119, EEF1A1, RAD17, BRD4

Protein Size: 340

Molecular Weight: 38 kDa

Gene ID: 5985

NCBI Accession: [NM_007370](#), [NP_031396](#)

UniProt: [P40937](#)

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.

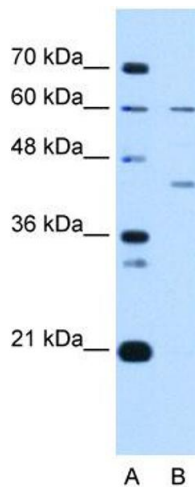
Comment: Antigen size: 340 AA

Restrictions: For Research Use only

Handling

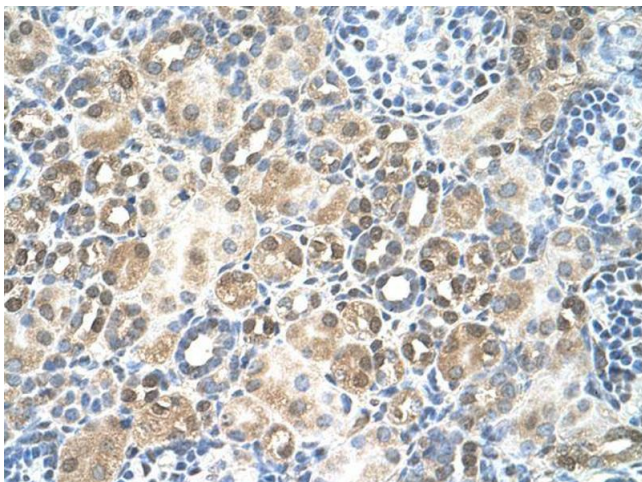
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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



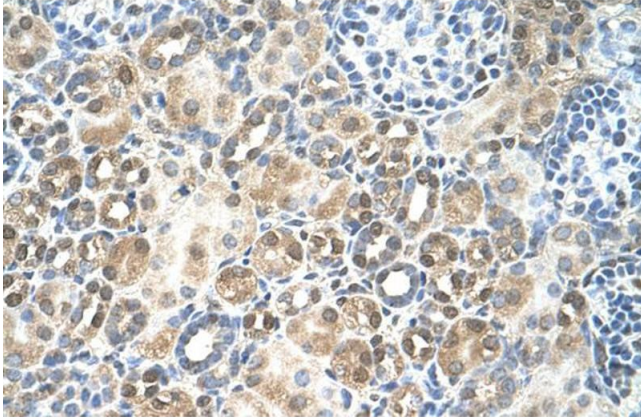
Western Blotting

Image 1. WB Suggested Anti-RFC5 Antibody Titration: 1 ug/ml Positive Control: Jurkat cell lysate RFC5 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



Immunohistochemistry

Image 2.



Immunohistochemistry

Image 3. Human kidney