

Rabbit RFC1 Polyclonal Antibody | anti-RFC1 antibody

RFC1 Antibody

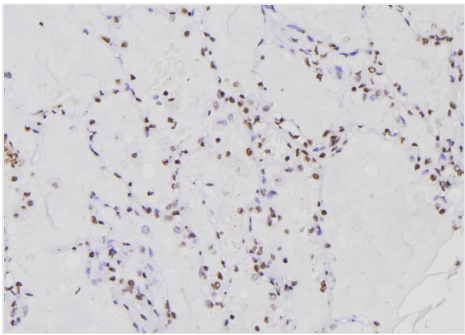
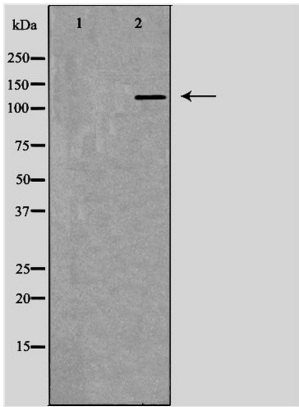
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326279	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

RFC1; Polyclonal Antibody; RFC1 Antibody; A1 140 kDa subunit; A1; A1 P145 Activator 1 large subunit; Activator 1 140 kDa subunit; Activator 1 large subunit; Activator 1 subunit 1; DNA binding Protein PO GA; DNA-binding protein PO-GA; MHC binding factor beta; MHCBBF; PO GA; RECC1; Replication factor C (activator 1) 1; 145kDa; Replication factor C 140 kDa subunit; Replication factor C; Replication factor C large subunit; Replication factor C subunit 1; Replication factor C1; RF-C 140 kDa subunit; RFC; RFC1_HUMAN; RFC140; RFC140 Replication Factor C 140 kDa subunit; anti-RFC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RFC1 antibody detects endogenous levels of total RFC1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1148
Applicable Applications for anti-RFC1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RFC1
Subcellular Location	Nucleus.
Tissue Specificity	Wide tissue distribution. Undetectable in placental tissue.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA326279 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of MCF-7, using RFC1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-RFC1 antibody

Description: This gene encodes the large subunit of replication factor C, a five subunit DNA polymerase accessory protein, which is a DNA-dependent ATPase required for eukaryotic DNA replication and repair. The large subunit acts as an activator of DNA polymerases, binds to the 3' end of primers, and promotes coordinated synthesis of both strands. It may also have a role in telomere stability. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Mar 2011]

Function: The elongation of primed DNA templates by DNA polymerase delta and epsilon requires the action of the accessory proteins PCNA and activator 1. This subunit binds to the primer-template junction. Binds the PO-B transcription element as well as other GA rich DNA sequences. Could play a role in DNA transcription regulation as well as DNA replication and/or repair. Can bind single- or double-stranded DNA.

Subunit Structure: Heterotetramer of subunits RFC2, RFC3, RFC4 and RFC5 that can form a complex either with RFC1 or with RAD17. The former interacts with PCNA in the presence of ATP, while the latter has ATPase activity but is not stimulated by PCNA.

Similarity: Belongs to the activator 1 large subunit family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	325296984
NCBI GeneID	5981
NCBI Accession #	NP_001191676.1
NCBI GenBank Nucleotide #	NM_001204747.1
UniProt Accession #	P35251; Q5XKF5; Q6PKU0; Q86V41; Q86V46; A8K6E7
Molecular Weight	Observed: 128 kDa Predicted: 129 kDa
NCBI Official Full Name	replication factor C subunit 1 isoform 2
NCBI Official Synonym Full Names	replication factor C subunit 1
NCBI Official Symbol	RFC1
NCBI Official Synonym Symbols	A1; RFC; PO-GA; RECC1; MHCBBF; RFC140
NCBI Protein Information	replication factor C subunit 1
UniProt Protein Name	Replication factor C subunit 1
UniProt Gene Name	RFC1
UniProt Synonym Gene Names	RFC140; A1 140 kDa subunit; RF-C 140 kDa subunit; RFC140

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rfc1-antibody-immunohistochemistry-western-blot-elisa/326279>