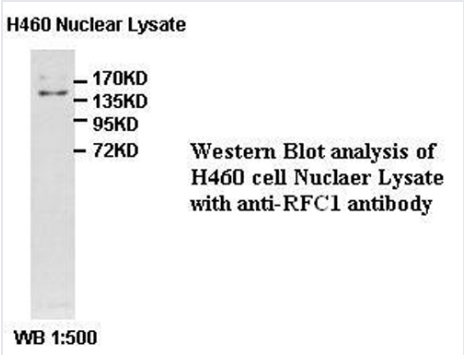
RFC1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RFC1, Polyclonal Antibody
Full Product Name	RFC1 Antibody
Product Gene Name	anti-RFC1 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human Predicted: Mouse, Rat
Form/Format	Purified by protein A column containing 0.02% NaN3
Preparation and Storage	Already reconstituted in 200ul sterile H2O. The antibody is stable for at least one year when stored at-20 degree C after reconstitution. Avoid repeated freeze/defrost cycles.
Molecular Weight	128,183 Da
OMIM	102579
3D Structure	ModBase 3D Structure for P35251
Product Categories/Family for anti-RFC1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RFC1 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-RFC1 antibody	ELISA: 1:20,000-1:80,000 WB: 1:200-1:1,000
Related Product Information for anti-RFC1 antibody	Rabbit polyclonal RFC1 (1) antibody was raised against a recombinate human RFC1 protein 775-1018aa (NM_002913).
Product References and Citations for anti-RFC1 antibody	(1) Faganel Kotnik, B., Dolzan, V., Grabnar, I. and Jazbec, J. Relationship of the reduced folate carrier gene polymorphism G80A to methotrexate plasma concentration, toxicity, and disease outcome in childhood acute lymphoblastic leukemia. Leuk. Lymphoma 51 (4), 724-726 (2010).
Other Notes	Small volumes of anti-RFC1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RFC1 purchase	MBS856475 is an antibody targeting RFC1. Also known as RFC1 Antibody. Reactive in Human Predicted: Mouse, Rat. Host: Rabbit.



Testing Data of anti-RFC1 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RFC1. It may not necessarily be applicable to this product.

NCBI GI #	32528306
NCBI GeneID	5981
NCBI Accession #	NP_002904.3
UniProt Primary Accession #	P35251
UniProt Secondary Accession #	Q5XKF5; Q6PKU0; Q86V41; Q86V46; A8K6E7
UniProt Related Accession #	P35251
GenBank Nucleotide #	NM_002913.4
NCBI Official Full Name	replication factor C subunit 1 isoform 1
NCBI Official Synonym Full Names	replication factor C subunit 1
NCBI Official Symbol	RFC1
NCBI Official Synonym Symbols	A1; RFC; PO-GA; RECC1; MHCBFB; RFC140
UniProt Protein Name	Replication factor C subunit 1
UniProt Synonym Protein Names	Activator 1 140 kDa subunit; A1 140 kDa subunit; Activator 1 large subunit; Activator 1 subunit 1; DNA-binding protein PO-GA; Replication factor C 140 kDa subunit; RF-C 140 kDa subunit; RFC140; Replication factor C large subunit
Protein Family	Probable replication factor
UniProt Gene Name	RFC1
UniProt Synonym Gene Names	RFC140; A1 140 kDa subunit; RF-C 140 kDa subunit; RFC140
NCBI Protein Information	replication factor C subunit 1
NCBI Summary for RFC1	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]
UniProt Comments for RFC1	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.
Research Articles on RFC1	**1.** in this study, we did not find any significant associations between Rheumatoid Arthritis or Rheumatoid Arthritis characteristics such as activity disease and polymorphisms MTRR A66G, RFC1 G80A, and MTHFR C677T and A1298C.

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