ARG66461
anti-RFC1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RFC1
Tested Reactivity	Ms
Predict Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RFC1
Species	Human
Immunogen	KLH-conjugated synthetic peptide within the center region of Human RFC1.
Conjugation	Un-conjugated
Alternate Names	Activator 1 subunit 1; RFC; Replication factor C large subunit; PO-GA; DNA-binding protein PO-GA; RF-C 140 kDa subunit; Replication factor C subunit 1; A1; RFC140; RECC1; Activator 1 large subunit; Replication factor C 140 kDa subunit; A1 140 kDa subunit; Activator 1 140 kDa subunit; MHCBFB

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

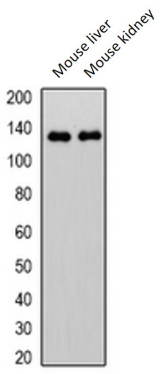
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	RFC1
Gene Full Name	replication factor C (activator 1) 1, 145kDa
Background	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. Interacts with C-terminus of PCNA. 5' phosphate residue is required for binding of the N-terminal DNA-binding domain to duplex DNA, suggesting a role in recognition of non-primer template DNA structures during replication and/or repair. [UniProt]
Calculated Mw	128 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG66461 anti-RFC1 antibody WB image

Western blot: Mouse liver and Mouse kidney lysates stained with ARG66461 anti-RFC1 antibody.