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Product datasheet for TA505002AM

RFC2 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI11C6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI11C6
Applications:	FC, WB
Recommended Dilution:	WB 1:2000, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human RFC2(NP_002905) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35.1 kDa
Gene Name:	replication factor C subunit 2
Database Link:	NP_002905 Entrez Gene 19718 MouseEntrez Gene 116468 RatEntrez Gene 5982 Human P35250
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 replication factor C (RFC). RFC, also called activator 1, is a protein complex consisting of five distinct subunits of 145, 40, 38, 37, and 36.5 kD. This gene encodes the 40 kD subunit, which has been shown to be responsible for binding ATP. Deletion of this gene has been associated with Williams syndrome. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]

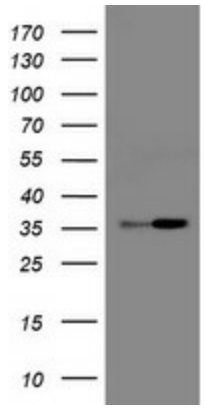
View online »

Synonyms: RFC40

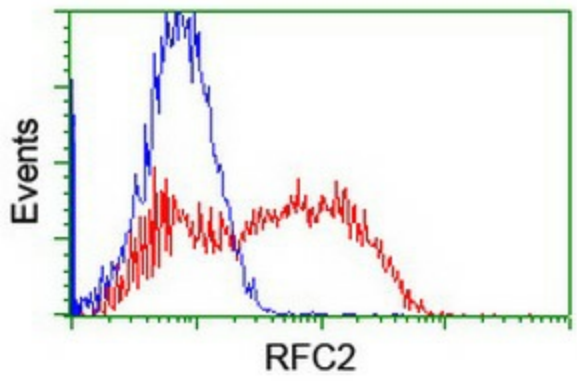
Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: DNA replication, Mismatch repair, Nucleotide excision repair

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY RFC2 ([RC201138], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RFC2. Positive lysates [LY419017] (100ug) and [LC419017] (20ug) can be purchased separately from OriGene.



HEK293T cells transfected with either [RC201138] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-RFC2 antibody ([TA505002]), and then analyzed by flow cytometry.