OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA506183BM

RFC4 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI1A8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A8
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:200~4000, IHC 1:150, IF 1:100
Reactivity:	Human, Dog, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human RFC4(NP_002907) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	39.5 kDa
Gene Name:	replication factor C subunit 4
Database Link:	NP_002907 Entrez Gene 106344 MouseEntrez Gene 288003 RatEntrez Gene 478667 DogEntrez Gene 100426721 MonkeyEntrez Gene 5984 Human P35249

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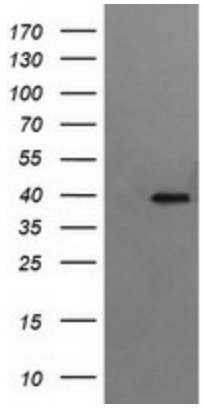
Background: The elongation of primed DNA templates by DNA polymerase delta and DNA polymerase epsilon requires the accessory proteins proliferating cell nuclear antigen (PCNA) and replication factor C (RFC). RFC, also named activator 1, is a protein complex consisting of five distinct subunits of 140, 40, 38, 37, and 36 kD. This gene encodes the 37 kD subunit. This subunit forms a core complex with the 36 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 the same protein have been reported. [provided by RefSeq, Jul 2008]

Synonyms: A1; RFC37

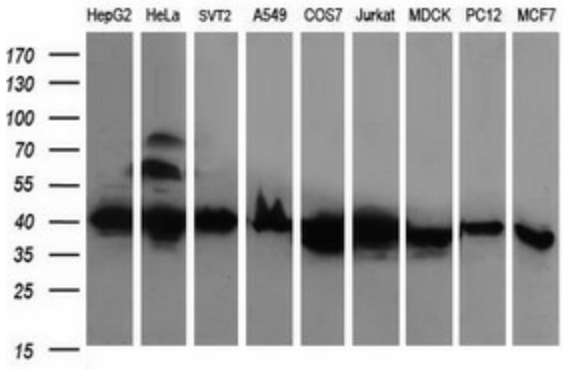
Protein Families: Druggable Genome, Stem cell - Pluripotency

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

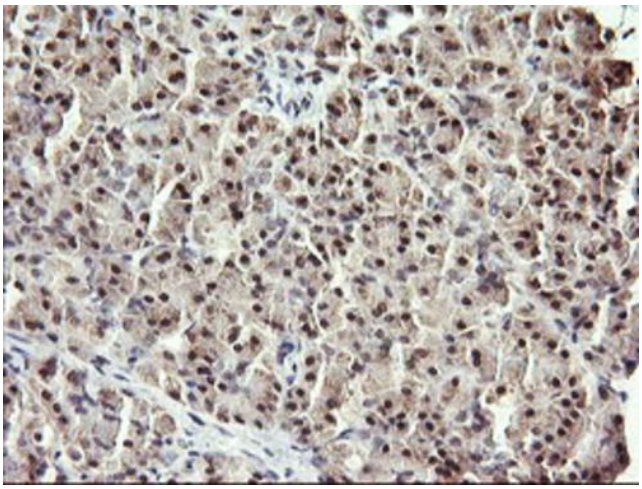
Product images:



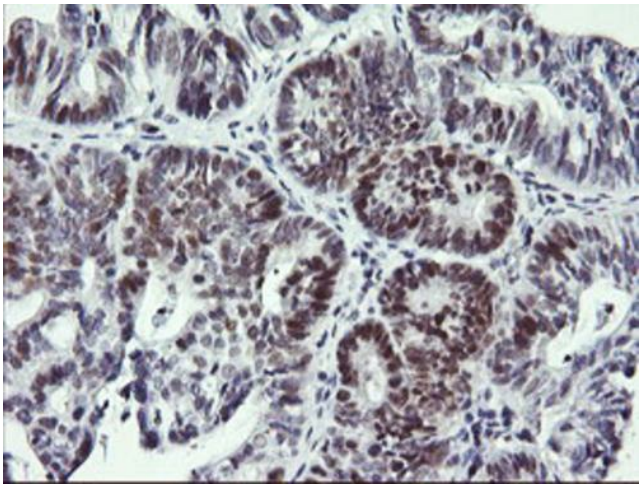
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY RFC4 (Cat# [RC200426], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RFC4(Cat# [TA506183]). Positive lysates [LY419019] (100ug) and [LC419019] (20ug) can be purchased separately from OriGene.



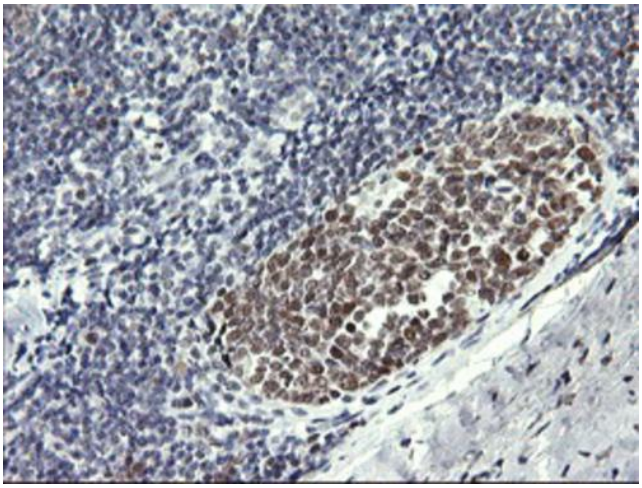
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-RFC4 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



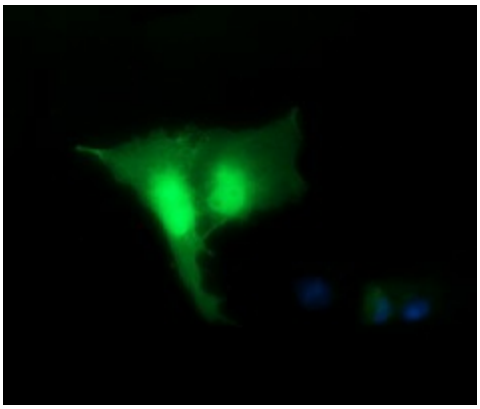
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-RFC4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506183])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-RFC4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506183])



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-RFC4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506183])



Anti-RFC4 mouse monoclonal antibody ([TA506183]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY RFC4 ([RC200426]).