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[Marker Primary Antibody]

Rabbit Anti-RECQ1/FITC Conjugated antibody

Catalog Number: SL19784R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-RECQ1/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human RECQ1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Background:	background: The protein encoded by this gene is a member of the RecQ DNA helicase family. DNA helicases are enzymes involved in various types of DNA repair, including mismatch repair, nucleotide excision repair and direct repair. Some members of this family are associated with genetic disorders with predisposition to malignancy and chromosomal instability. The biological function of this helicase has not yet been determined. Two alternatively spliced transcripts, which encode the same isoform but differ in their 5' and 3' UTRs, have been described. [provided by RefSeq, Jul 2008] **Function:** DNA helicase that may play a role in the repair of DNA that is damaged by ultraviolet light or other mutagens. Exhibits a magnesium-dependent ATP-dependent DNA-helicase activity that unwinds single- and double-stranded DNA in a 3'-5' direction. **Subunit:** Interacts with EXO1 and MLH1. **Subcellular Location:** Nuclear **Tissue Specificity:** High expression in heart, lung, skeletal muscle and kidney,

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	low expression in brain. **Similarity:** Belongs to the helicase family. RecQ subfamily Contains 1 helicase ATP-binding domain Contains 1 helicase C-terminal domain. **Database links:** **Entrez Gene:** 5965 Human **Entrez Gene:** 19691 Mouse Omim: 600537 Human **SwissProt:** P46063 Human **SwissProt:** Q9Z129 Mouse **Unigene:** 235069 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.