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Anti-RECQL4 Antibody

Catalog # AP51734

Product Information

Application	WB
Primary Accession	O94761
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	133067

Additional Information

Gene ID	9401
Other Names	RECQ4; ATP-dependent DNA helicase Q4; DNA helicase, RecQ-like type 4; RecQ4; RTS; RecQ protein-like 4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human RECQL4. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

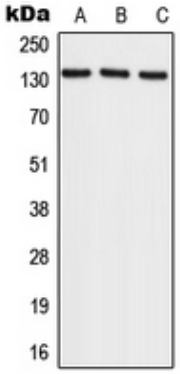
Protein Information

Name	RECQL4
Synonyms	RECQ4 {ECO:0000303|PubMed:9878247}
Function	An ATP-dependent DNA helicase which unwinds dsDNA with a 3'- overhang in a 3'-5' direction (PubMed:28653661). Does not unwind more than 18 bp of dsDNA (PubMed:28653661). May modulate chromosome segregation. The N-terminal domain (residues 1-54) binds DNA Y-shaped DNA better than ss- or dsDNA (PubMed:22730300). The core helicase domain binds ssDNA (PubMed:22730300, PubMed:28653661).
Cellular Location	Cytoplasm. Nucleus
Tissue Location	Ubiquitously expressed, with highest levels in thymus and testis.

References

Kitao S.,et al.Genomics 54:443-452(1998).
Kitao S.,et al.Genomics 61:268-276(1999).
Kawabe T.,et al.Oncogene 19:4764-4772(2000).
Siitonen H.A.,et al.Hum. Mol. Genet. 12:2837-2844(2003).
Yin J.,et al.Hum. Mol. Genet. 13:2421-2430(2004).

Images



Western blot analysis of RECQL4 expression in HeLa (A), NIHC3T3 (B), rat brain (C) whole cell lysates. (Predicted band size: 133 kD; Observed band size: 140 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.