

**RECQL4 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51734****Specification**

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**RECQL4 Antibody - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">O94761</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>133 KDa</b>

**RECQL4 Antibody - Additional Information****Gene ID** 9401**Other Names**

ATP-dependent DNA helicase Q4, DNA helicase, RecQ-like type 4, RecQ4, RTS, RecQ protein-like 4, RECQL4, RECQ4

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**RECQL4 Antibody - 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](http://www.uniprot.org/citations/28653661)). Does not unwind more than 18 bp of dsDNA (PubMed: [28653661](http://www.uniprot.org/citations/28653661)). May modulate chromosome segregation. The N-terminal domain (residues 1-54) binds DNA Y-shaped DNA better than ss- or dsDNA (PubMed: [22730300](http://www.uniprot.org/citations/22730300)). The core helicase domain binds ssDNA (PubMed: [22730300](http://www.uniprot.org/citations/22730300), PubMed: [28653661](http://www.uniprot.org/citations/28653661)).

**Cellular Location**

Cytoplasm. Nucleus

**Tissue Location**

Ubiquitously expressed, with highest levels in thymus and testis.

### **RECQL4 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **RECQL4 Antibody - Images**

### **RECQL4 Antibody - Background**

DNA-dependent ATPase. May modulate chromosome segregation.

### **RECQL4 Antibody - 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).