

RECQL4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

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	ATP-dependent DNA helicase Q4, DNA helicase, RecQ-like type 4, RecQ4, RTS, RecQ protein-like 4, RECQL4, RECQ4
Dilution	WB~~1:1000
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

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.

Background

DNA-dependent ATPase. May modulate chromosome segregation.

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).

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