

RECQL4 Antibody(C-term) Blocking peptide
Synthetic peptide
Catalog # BP19458b**Specification**

RECQL4 Antibody(C-term) Blocking peptide - Product InformationPrimary Accession [O94761](#)**RECQL4 Antibody(C-term) Blocking peptide - 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

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RECQL4 Antibody(C-term) Blocking peptide - 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.

RECQL4 Antibody(C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

RECQL4 Antibody(C-term) Blocking peptide - Images

RECQL4 Antibody(C-term) Blocking peptide - Background

The protein encoded by this gene is a DNA helicase that belongs to the RecQ helicase family. DNA helicases unwind double-stranded DNA into single-stranded DNAs and may modulate chromosome segregation. This gene is predominantly expressed in thymus and testis. Mutations in this gene are associated with Rothmund-Thomson, RAPADILINO and Baller-Gerold syndromes. [provided by RefSeq].

RECQL4 Antibody(C-term) Blocking peptide - References

Rossi, M.L., et al. DNA Repair (Amst.) 9(7):796-804(2010) Singh, D.K., et al. Aging Cell 9(3):358-371(2010) Thangavel, S., et al. Mol. Cell. Biol. 30(6):1382-1396(2010) Xu, X., et al. EMBO J. 28(19):3005-3014(2009) Im, J.S., et al. Proc. Natl. Acad. Sci. U.S.A. 106(37):15628-15632(2009)