

RECQL Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20349c

Specification

RECQL Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P46063
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	73457
Antigen Region	187-215

RECQL Antibody (Center) - Additional Information

Gene ID 5965

Other Names

ATP-dependent DNA helicase Q1, DNA helicase, RecQ-like type 1, RecQ1, DNA-dependent ATPase Q1, RecQ protein-like 1, RECQL, RECQ1, RECQL1

Target/Specificity

This RECQL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 187-215 amino acids from the Central region of human RECQL.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RECQL Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RECQL Antibody (Center) - Protein Information

Name RECQL {ECO:0000303|PubMed:7961977}

Synonyms RECQ1, RECQL1

Function DNA helicase that plays a role in DNA damage repair and genome stability (PubMed:[15886194](#), PubMed:[35025765](#), PubMed:[7527136](#), PubMed:[7961977](#), PubMed:[8056767](#)). Exhibits a Mg(2+)- and ATP-dependent DNA-helicase activity that unwinds single- and double-stranded DNA in a 3'-5' direction (PubMed:[19151156](#), PubMed:[35025765](#), PubMed:[7527136](#), PubMed:[8056767](#)). Full-length protein unwinds forked DNA substrates, resolves Holliday junctions, and has DNA strand annealing activity (PubMed:[19151156](#), PubMed:[25831490](#)). Plays a role in restoring regressed replication forks (PubMed:[35025765](#)). Required to restart stalled replication forks induced by abortive topoisomerase 1 and 2 lesions (PubMed:[35025765](#)). Does not unwind G-quadruplex DNA (PubMed:[18426915](#)). May play a role in the repair of DNA that is damaged by ultraviolet light or other mutagens (PubMed:[15886194](#), PubMed:[7961977](#)).

Cellular Location

Nucleus

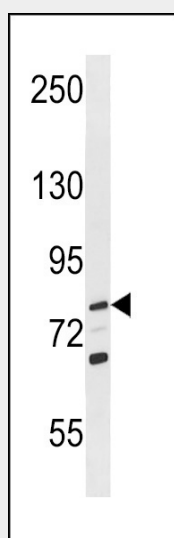
Tissue Location

High expression in heart, lung, skeletal muscle and kidney, low expression in brain.

RECQL Antibody (Center) - 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](#)

RECQL Antibody (Center) - Images

RECQL Antibody (Center) (Cat. #AP20349c) western blot analysis in U-937 cell line lysates (35ug/lane). This demonstrates the RECQL antibody detected the RECQL protein (arrow).

RECQL Antibody (Center) - Background

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.