



Rabbit Anti-RECQL5 antibody

SL11231R

Product Name:	RECQL5
Chinese Name:	RecQ解旋酶样蛋白5抗体
Alias:	ATP-dependent DNA helicase Q5; DNA helicase, RecQ like type 5; DNA helicase, RECQ-like, type 5; RecQ helicase protein-like 5 beta; RecQ protein-like 5; RecQ protein-like 5, isoform CRA_b; RecQ5; Recq5b; Recql5b; RECQ5_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	109kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RECQL5:1-100/991
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	RecQ helicases are implicated in DNA recombination and repair helicases and are critical in genome maintenance. RecQL5 is one of five known RecQ homologues in humans, and defects in three of these (BLM, WRN and RecQ4)are associated with autosomal recessive disorders that involve genomic instability and a predisposition to cancer. The exact role of ReqL5 is unclear. It has been shown in mouse embryonic stem

(ES) cells that mutations in the Recql5 genes result in a significant increase in the frequency of sister chromatid exchange (SCE), whereas deleting Recql5 lead to an even higher frequency of SCE. There are three different RecQL5 isoforms - alpha, beta and gamma, produced by alternative splicing.

Function:

May have an important role in DNA metabolism.

Subunit:

Interacts with TOP3A and TOP3B.

Subcellular Location:

Cytoplasmic and Nuclear, depending on the isoform.

Tissue Specificity:

Ubiquitous

Similarity:

Belongs to the helicase family. RecQ subfamily.

Contains 1 helicase ATP-binding domain.

Contains 1 helicase C-terminal domain.

SWISS:

O94762

Gene ID:

9400

Database links:

[Entrez Gene: 483317](#)Dog

[Entrez Gene: 9400](#)Human

[Entrez Gene: 287834](#)Rat

[Omim: 603781](#)Human

[SwissProt: O94762](#)Human

[Unigene: 632229](#)Human

[Unigene: 198916](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

