

## Rabbit Anti-RECQ1/AP Conjugated antibody

SL19784R-AP

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| <b>Product Name</b>      | Anti-RECQ1/AP                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Chinese Name</b>      | 碱性磷酸酶（AP）标记的 DNA 解旋酶 Q1 样抗体                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Alias</b>             | ATP dependent DNA helicase Q1; DNA helicase Q1 like; DNA helicase RecQ like type 1; RECQ L1; RecQ protein like 1; RecQ protein like; RECQL; RECQL1.                                                                                                                                                                                                                                                                                                                      |
| <b>Research Area</b>     | Tumour Neurobiology Binding protein Epigenetics                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen Species</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Clonality</b>         | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>React Species</b>     | Rat(predicted:Human,Dog,Pig,Cow,Horse,Rabbit,Sheep)<br>IHC-P=1:100-500,IHC-F=1:100-500                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>      | not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular weight</b>  | 72kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form</b>              | Lyophilized or Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Concentration</b>     | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>immunogen</b>         | KLH conjugated synthetic peptide derived from human RECQ1                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Lsotype</b>           | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purification</b>      | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Buffer</b>    | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.<br>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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                                                                                 |
| <b>Storage</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Product Detail</b>    | <b>background:</b><br>The protein encoded by this gene is a member of the RecQ DNA helicase family. DNA helicases are enzymes involved in various types of DNA repair, including mismatch repair, nucleotide excision repair and direct repair. Some members of this family are associated with genetic disorders with predisposition to malignancy and chromosomal instability. The biological function of this helicase has not yet been determined. Two alternatively |

spliced transcripts, which encode the same isoform but differ in their 5' and 3' UTRs, have been described. [provided by RefSeq, Jul 2008]

**Function:**

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.

**Subunit:**

Interacts with EXO1 and MLH1.

**Subcellular Location:**

Nuclear

**Tissue Specificity:**

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

**Similarity:**

Belongs to the helicase family. RecQ subfamily

Contains 1 helicase ATP-binding domain

Contains 1 helicase C-terminal domain.

**Database links:**

[Entrez Gene: 5965](#) Human

[Entrez Gene: 19691](#) Mouse

[Omim: 600537](#) Human

[SwissProt: P46063](#) Human

[SwissProt: Q9Z129](#) Mouse

[Unigene: 235069](#) Human

**Important Note:**

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