

**RTEL1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57292****Specification**

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**RTEL1 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">O9NZ71</a>
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	133683

**RTEL1 Polyclonal Antibody - Additional Information****Gene ID** 51750**Other Names**

Regulator of telomere elongation helicase 1 {ECO:0000255|HAMAP-Rule:MF\_03065}, 3.6.4.12  
{ECO:0000255|HAMAP-Rule:MF\_03065}, Novel helicase-like, RTEL1  
{ECO:0000255|HAMAP-Rule:MF\_03065}

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

**RTEL1 Polyclonal Antibody - Protein Information****Name** RTEL1 {ECO:0000255|HAMAP-Rule:MF\_03065}**Function**

ATP-dependent DNA helicase implicated in telomere-length regulation, DNA repair and the maintenance of genomic stability. Acts as an anti-recombinase to counteract toxic recombination and limit crossover during meiosis. Regulates meiotic recombination and crossover homeostasis by physically dissociating strand invasion events and thereby promotes noncrossover repair by meiotic synthesis dependent strand annealing (SDSA) as well as disassembly of D loop recombination intermediates. Also disassembles T loops and prevents telomere fragility by counteracting telomeric G4-DNA structures, which together ensure the dynamics and stability of the telomere.

**Cellular Location**

Nucleus {ECO:0000255|HAMAP-Rule:MF\_03065, ECO:0000269|PubMed:23585563}.  
Note=Colocalizes with PCNA within the replication foci in S-phase cells.  
{ECO:0000255|HAMAP-Rule:MF\_03065}

**RTEL1 Polyclonal Antibody - 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](#)

**RTEL1 Polyclonal Antibody - Images**