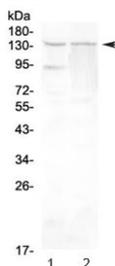


## RTEL1 Antibody / Regulator of telomere elongation helicase 1 (RQ4375)

Catalog No.	Formulation	Size
RQ4375	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Rat
<b>Predicted Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	Q9NZ71
<b>Localization</b>	Nucleus
<b>Applications</b>	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This RTEL1 antibody is available for research use only.



Western blot testing of rat 1) testis and 2) PC-12 lysate with RTEL1 antibody at 0.5ug/ml. Predicted molecular weight ~134 kDa.

### Description

The RTEL1 gene encodes a DNA helicase which functions in the stability, protection and elongation of telomeres and interacts with proteins in the shelterin complex known to protect telomeres during DNA replication. Mutations in this gene

have been associated with dyskeratosis congenita and Hoyerall-Hreidarsson syndrome. Read-through transcription of this gene into the neighboring downstream gene, which encodes tumor necrosis factor receptor superfamily, member 6b, generates a non-coding transcript. Alternative splicing results in multiple transcript variants encoding different isoforms.

## **Application Notes**

Optimal dilution of the RTEL1 antibody should be determined by the researcher.

## **Immunogen**

A recombinant human protein corresponding to amino acids R651-M756 was used as the immunogen for the RTEL1 antibody.

## **Storage**

After reconstitution, the RTEL1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.