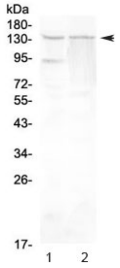
RTEL1 Antibody / Regulator of telomere elongation helicase 1 (RQ4375)

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

Bulk quote request

Availability	1-3 business days
Species Reactivity	Rat
Predicted Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9NZ71
Localization	Nucleus
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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