

PACO46182

Product Information

Size:

50ug

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, IHC:1:20-1:200,
IF:1:50-1:200

Protein Background:

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.

Gene ID:

RTEL1

Uniprot

Q9NZ71

Synonyms:

Regulator of telomere elongation helicase 1 (EC 3.6.4.12) (Novel helicase-like), RTEL1, C20orf41 KIAA1088 NHL

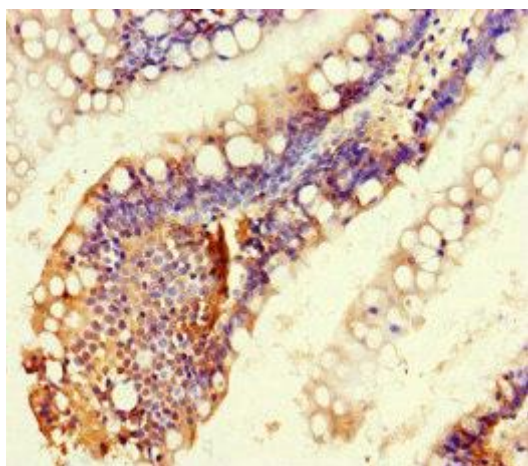
Immunogen:

Recombinant Human Regulator of telomere elongation helicase 1 protein (975-1219AA).

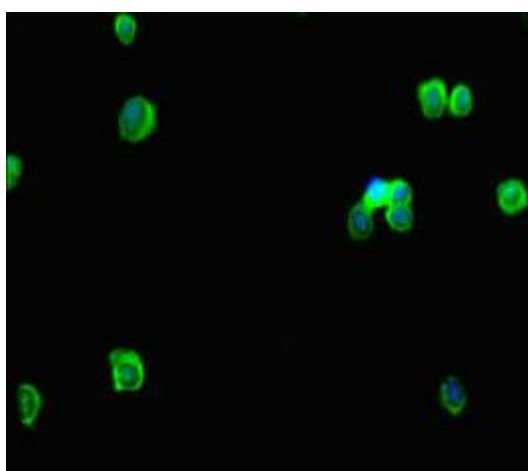
Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

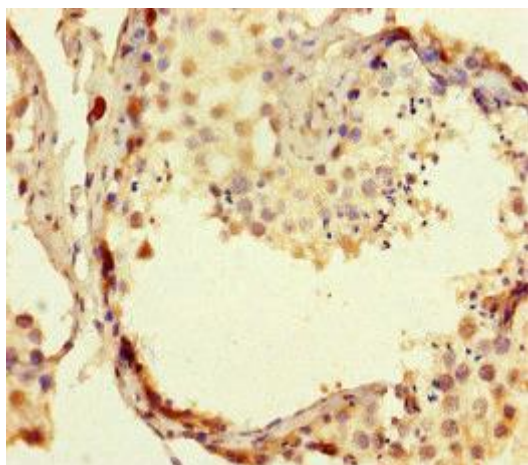
Product Images



Immunohistochemistry of paraffin-embedded human small intestine tissue using PACO46182 at dilution of 1:100.



Immunofluorescent analysis of HepG2 cells using PACO46182 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry of paraffin-embedded human testis tissue using PACO46182 at dilution of 1:100.