
Product Name: RAP1 Rabbit Polyclonal Antibody**Catalog #: APRab16892**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300
Molecular Weight	55kDa

Antigen Information

Gene Name	TERF2IP TERF2IP; DRIP5; RAP1; PP8000; Telomeric repeat-binding factor 2-interacting protein 1;
Alternative Names	TERF2-interacting telomeric protein 1; TRF2-interacting telomeric protein 1; Dopamine receptor-interacting protein 5; Repressor/activator protein 1 homol
Gene ID	54386.0
SwissProt ID	Q9NYB0
Immunogen	The antiserum was produced against synthesized peptide derived from human RAP1. AA range:203-252

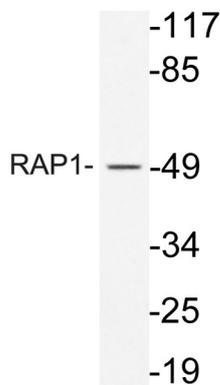
Background

The gene encodes a protein that is part of a complex involved in telomere length regulation. Pseudogenes are present on chromosomes 5 and 22. [provided by RefSeq, Apr 2010],function:May play a role in telomere length regulation. Component of the shelterin complex (telosome) that is involved in the regulation of telomere length and protection. Shelterin associates with arrays of double-stranded TTAGGG repeats added by telomerase and protects chromosome ends; without its protective activity, telomeres are no longer hidden from the DNA damage surveillance and chromosome ends are inappropriately processed by DNA repair pathways.,miscellaneous:Recruited to telomeres by TRF2; seemingly it does not directly bind to DNA itself.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,sequence caution:Translated as Glu.,similarity:Contains 1 BRCT domain.,similarity:Contains 1 Myb-like domain.,subcellular location:Colocalizes with telomeric DNA in interphase and metaphase cells.,subunit:Homodimer. Component of the shelterin complex (telosome) composed of TERF1, TERF2, TINF2, TERF2IP ACD and POT1. Binds to TRF2 (but not TRF1) with its C-terminus.,tissue specificity:Ubiquitous. Highly expressed.,

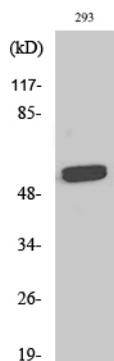
Research Area

B_Cell_Antigen; Adherens_Junction

Image Data



Western blot analysis of ystate from 293 cells, using RAP1 antibody.



Western Blot analysis of various cells using RAP1 Polyclonal Antibody diluted at 1:500