

Product name:	RAP1 Rabbit Polyclonal Antibody
Cat number:	ABN16892
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human RAP1. AA range:203-252
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,IHC 1:50-1:300
Molecular Weight:	55kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
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.,