

Product datasheet for **TA336387**

RAP1 (TERF2IP) Mouse Monoclonal Antibody [Clone ID: 78B356.1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	78B356.1
Applications:	WB
Recommended Dilution:	Western Blot: 0.1-1 ug/ml
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding amino acids 212-235 of human Rap1 was used to immunize mice.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	TERF2 interacting protein
Database Link:	NP_061848 Entrez Gene 54386 Human Q9NYB0



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Background:

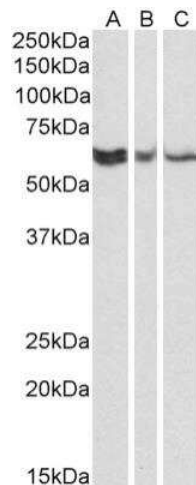
Human Rap1 was the first identified ortholog of the yeast telomeric protein scRap1, which shares 3 conserved sequence motifs in common. HRap1 is located at telomeres and affects telomere length by being recruited to telomeres by TRF2 instead of directly binding to the telomere like scRap1. The hRap1 cDNA codes for a protein of 399 amino acids with approximate molecular weight of 47 kDa. The hRap1 protein does not interact with TRF1. TRF2 is a ubiquitously expressed protein that is implicated in the control of telomere length. TRF2, like TRF1 contains a Myb-related DNA binding motif. It binds to duplex TTAGGG repeats and is localized to all human telomeres in metaphase chromosomes. TRF2 is thought to protect chromosome ends by maintaining the correct structure at telomere termini. The use of mutant forms of TRF2 has implicated a role for TRF2 in the prevention of senescence in primary human cells. Recently, it has been shown that inhibition of TRF2 resulted in apoptosis in a subset of mammalian cell types.

Synonyms:

DRIP5; RAP1

Protein Families:

Transcription Factors

Product images:

Western Blot: TERF2IP Antibody (78B356.1) TA336387 - Western blot analysis of A431 (A), HEK293 (B) and HeLa (C) lysates (35ug per lane, RIPA buffer) using TERF2IP antibody (TA336387) at 0.1ug/ml. Band observed at ~60kDa.