

Immunotag™ RAP1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4005
Product Description	Immunotag™ RAP1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	RAP1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human RAP1. AA range:203-252
Specificity	RAP1 Polyclonal Antibody detects endogenous levels of RAP1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	TERF2IP
Accession No.	Q9NYB0 Q91VL8
Alternate Names	TERF2IP; DRIP5; RAP1; PP8000; Telomeric repeat-binding factor 2-interacting protein 1; TERF2-interacting telomeric protein 1; TRF2-interacting telomeric protein 1; Dopamine receptor-interacting protein 5; Repressor/activator protein 1 homol

Antibody Specification

Description	TERF2 interacting protein(TERF2IP) Homo sapiens 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],
Cell Pathway/ Category	B_Cell_Antigen, Adherens_Junction
Protein Expression	Cervix carcinoma,Colon,Epithelium,Ileal mucosa,Lung,Skin,
Subcellular Localization	nuclear chromosome,chromosome, telomeric region,nuclear telomere cap complex,nuclear chromosome, telomeric region,nucleus,nuclear envelope,nucleoplasm,cytoplasm,Mre11 complex,telosome,
Protein Function	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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.