Rabbit anti-Human RAP1 Polyclonal Antibody | anti-RAP1 antibody

Rabbit anti-RAP1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212210	**Rabbit**	**Human**	**Immunohistochemistry, Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

RAP1; Polyclonal Antibody; Rabbit anti-RAP1 Antibody; Affinity Purified; hRap1; TRF2-interacting telomeric RAP1 protein; TRF2-interacting telomeric protein 1; TERF2-interacting telomeric protein 1; telomeric repeat-binding factor 2-interacting protein 1; repressor/activator protein 1 homolog; DRIP5; dopamine receptor-interacting protein 5; RAP1 homolog; Telomeric repeat-binding factor 2-interacting protein 1; TERF2 interacting protein; anti-RAP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-RAP1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 100 and 150
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES

WB (Western Blot)
Detection of human RAP1 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 ug) and Jurkat (J; 50 ug) cells. Antibodies: Affinity purified rabbit anti-RAP1 antibody AAA212210 used for WB at 0.1 ug/ml (A) and 1 ug/ml (B) and used for IP at 6 ug/mg lysate. RAP1 was also immunoprecipitated by rabbit anti-RAP1 antibodies which recognizes a downstream epitope, and which is generated against full-length recombinant human RAP1. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).

IHC (Immunohistochemistry)
Detection of human RAP1 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-RAP1 (Cat. No. AAA212210 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB. Counterstain: Hematoxylin (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-RAP1 antibody	Repressor/activator protein 1 homolog (RAP1) acts both as a regulator of telomere function and as a transcriptional regulator. RAP1 is involved in the regulation of telomere length and protection as a component of the shelterin complex (telosome). In contrast to other components of the shelterin complex, RAP1 is dispensible for telomere capping and does not participate in the protection of telomeres against non-homologous end-joining (NHEJ)-mediated repair. Instead, it is required to negatively regulate telomere recombination and is essential for repressing homology-directed repair (HDR), which can affect telomere length [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q9NYB0].
Product Categories/Family for anti-RAP1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	52627149
NCBI GeneID	54386
NCBI Accession #	NP_061848.2
NCBI GenBank Nucleotide #	NM_018975.3
UniProt Accession #	Q9NYB0; Q4W4Y2; Q8WYZ3; Q9NWR2; B4DQN4
Molecular Weight	44,260 Da
NCBI Official Full Name	telomeric repeat-binding factor 2-interacting protein 1
NCBI Official Synonym Full Names	telomeric repeat binding factor 2, interacting protein
NCBI Official Symbol	TERF2IP
NCBI Official Synonym Symbols	RAP1; DRIP5
NCBI Protein Information	telomeric repeat-binding factor 2-interacting protein 1; hRap1; RAP1 homolog; TRF2-interacting telomeric protein 1; TERF2-interacting telomeric protein 1; repressor/activator protein 1 homolog; TRF2-interacting telomeric RAP1 protein; dopamine receptor in
UniProt Protein Name	Telomeric repeat-binding factor 2-interacting protein 1
UniProt Gene Name	**TERF2IP**
UniProt Synonym Gene Names	DRIP5; RAP1; TERF2-interacting telomeric protein 1; TRF2-interacting telomeric protein 1; RAP1 homolog; hRap1
UniProt Entry Name	TE2IP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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