

**Anti-RAP1A Antibody**  
**Rabbit polyclonal antibody to RAP1A**  
**Catalog # AP59846****Specification**

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**Anti-RAP1A Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O9NYB0</a>
Reactivity	<b>Human, Monkey</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>44260</b>

**Anti-RAP1A Antibody - Additional Information****Gene ID** 54386**Other Names**

DRIP5; RAP1; 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 homolog; RAP1 homolog; hRap1

**Target/Specificity**

Recognizes endogenous levels of RAP1A protein.

**Dilution**

WB~~WB (1/500 - 1/1000)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-RAP1A Antibody - Protein Information****Name** TERF2IP**Synonyms** DRIP5, RAP1**Function**

Acts both as a regulator of telomere function and as a transcription regulator. 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, it 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.

Does not bind DNA directly: recruited to telomeric double-stranded 5'-TTAGGG-3' repeats via its interaction with TERF2. Independently of its function in telomeres, also acts as a transcription regulator: recruited to extratelomeric 5'-TTAGGG-3' sites via its association with TERF2 or other factors, and regulates gene expression. When cytoplasmic, associates with the I-kappa-B-kinase (IKK) complex and acts as a regulator of the NF-kappa-B signaling by promoting IKK-mediated phosphorylation of RELA/p65, leading to activate expression of NF- kappa-B target genes.

#### Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q91VL8}. Cytoplasm {ECO:0000250|UniProtKB:Q91VL8}. Chromosome {ECO:0000250|UniProtKB:Q91VL8}. Chromosome, telomere {ECO:0000250|UniProtKB:Q91VL8}. Note=Associates with chromosomes, both at telomeres and in extratelomeric sites. Also exists as a cytoplasmic form, where it associates with the IKK complex {ECO:0000250|UniProtKB:Q91VL8}

#### Tissue Location

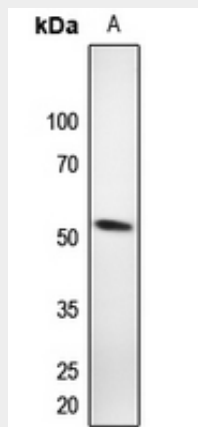
Ubiquitous. Highly expressed.

### Anti-RAP1A Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-RAP1A Antibody - Images



Western blot analysis of RAP1A expression in HEK293 (A) whole cell lysates.

### Anti-RAP1A Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RAP1A. The exact sequence is proprietary.