



# RAP1 Polyclonal Antibody

<b>Catalog No</b>	BYab-02772
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;IHC
<b>Gene Name</b>	TERF2IP
<b>Protein Name</b>	Telomeric repeat-binding factor 2-interacting protein 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human RAP1. AA range:203-252
<b>Specificity</b>	RAP1 Polyclonal Antibody detects endogenous levels of RAP1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000;IHC-p 1:50-300
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	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
<b>Observed Band</b>	55kD
<b>Cell Pathway</b>	Nucleus . Cytoplasm . Chromosome . Chromosome, telomere . Associates with chromosomes, both at telomeres and in extratelomeric sites. Also exists as a cytoplasmic form, where it associates with the IKK complex. .
<b>Tissue Specificity</b>	Ubiquitous. Highly expressed.
<b>Function</b>	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

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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, TE

**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],

**matters needing attention**

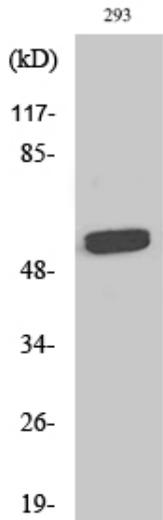
Avoid repeated freezing and thawing!

**Usage suggestions**

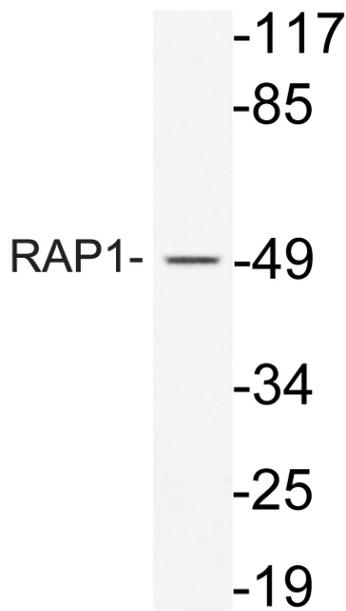
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



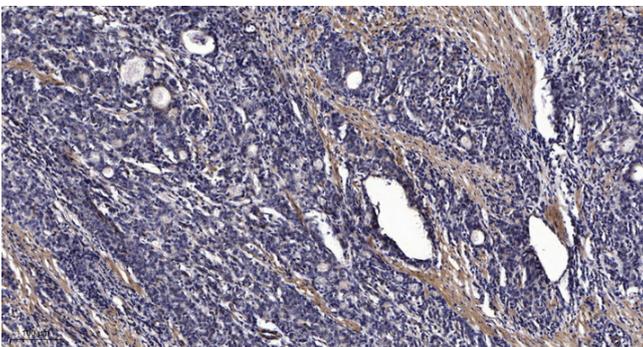
## Products Images



Western Blot analysis of various cells using RAP1 Polyclonal Antibody diluted at 1:500



Western blot analysis of lysate from 293 cells, using RAP1 antibody.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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