



Rabbit Anti-DRIP5 antibody

SL8677R

Product Name:	DRIP5
Chinese Name:	多巴胺受体相互作用蛋白5抗体
Alias:	Dopamine receptor interacting protein 5; Dopamine receptor-interacting protein 5; DRIP 5; DRIP5; hRap1; MGC105533; RAP 1; RAP1 homolog; RAP1, yeast, homolog of antibody Repressor/activator protein 1 homolog antibody TE2IP_HUMAN; Telomeric Repeat Binding Factor 2 Interacting Protein; Telomeric repeat-binding factor 2-interacting protein 1; TERF2-interacting protein; TERF2-interacting telomeric protein 1; TERF2IP; TRF2 Interacting Telomeric Protein RAP1; TRF2 interacting telomeric RAP1 protein; TRF2-interacting telomeric protein 1; TRF2-interacting telomeric protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	44kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RAP1 :101-200/399
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

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]

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 dispensable 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 TEF2. Independently of its function in telomeres, also acts as a transcription regulator: recruited to extratelomeric 5'-TTAGGG-3' sites via its association with TEF2 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.

Subcellular Location:

Cytoplasm. Nucleus. 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.

Tissue Specificity:

Ubiquitous. Highly expressed.

Post-translational modifications:

Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:

Belongs to the RAP1 family.

Contains 1 BRCT domain.

Contains 1 Myb-like domain.

SWISS:

Q9NYB0

Gene ID:

54386

Database links:

[Entrez Gene: 54386](#) Human

Product Detail:

[Omim: 605061](#) Human

[SwissProt: Q9NYB0](#) Human

[Unigene: 301419](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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