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Terf2ip antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14093

Specification

Terf2ip antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q91VL8
Other Accession	NM_020584, NP_065609
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Mouse, Rat, Rabbit, Pig, Horse, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**31kDa KDa**

Terf2ip antibody - middle region - Additional Information

Gene ID 57321

Alias Symbol	**Rap1**

Other Names
Telomeric repeat-binding factor 2-interacting protein 1, TERF2-interacting telomeric protein 1, TRF2-interacting telomeric protein 1, Repressor/activator protein 1 homolog, RAP1 homolog, Terf2ip, Rap1

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Terf2ip antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Terf2ip antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Terf2ip antibody - middle region - Protein Information

Name Terf2ip

Synonyms 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.

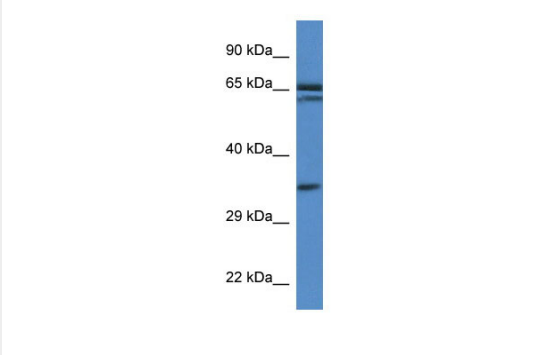
Cellular Location
Nucleus. Cytoplasm. Chromosome. Chromosome, telomere. Note=Associates with chromosomes, both at telomeres and in extratelomeric sites (PubMed:20622869). Also exists as a cytoplasmic form, where it associates with the IKK complex (PubMed:20622870).

Terf2ip antibody - middle region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Terf2ip antibody - middle region - Images



WB Suggested Anti-Terf2ip Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Pancreas

Terf2ip antibody - middle region - References

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Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
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Tan M.,et al.Gene 323:1-10(2003).
Ballif B.A.,et al.Mol. Cell. Proteomics 3:1093-1101(2004).