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TERF2IP Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14047b

Specification

TERF2IP Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9NYB0
Other Accession	Q4R4I0, NP_061848.2
Reactivity	**Human**
Predicted	**Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**44260**
Antigen Region	**349-378**

TERF2IP Antibody (C-term) - Additional Information

Gene ID 54386

Other Names
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, TERF2IP, DRIP5, RAP1

Target/Specificity
This TERF2IP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 349-378 amino acids from the C-terminal region of human TERF2IP.

Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TERF2IP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TERF2IP Antibody (C-term) - 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.

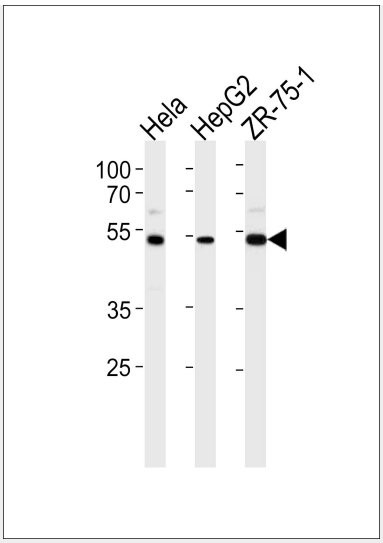
TERF2IP Antibody (C-term) - Protocols

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

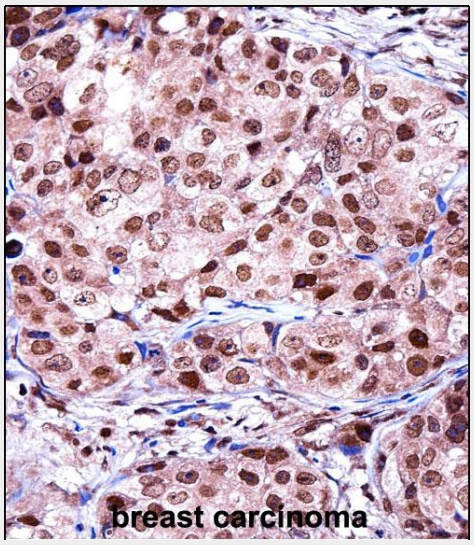
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TERF2IP Antibody (C-term) - Images

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TERF2IP Antibody (C-term) (Cat. #AP14047b) western blot analysis in Hela,HepG2,ZR-75-1 cell line lysates (35ug/lane).This demonstrates the TE2IP antibody detected the TE2IP protein (arrow).



TERF2IP Antibody (C-term) (AP14047b)immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TERF2IP Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

TERF2IP Antibody (C-term) - 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.

TERF2IP Antibody (C-term) - References

Teo, H., et al. Nat. Cell Biol. 12(8):758-767(2010)
Martinez, P., et al. Nat. Cell Biol. 12(8):768-780(2010)
Da-Silva, N., et al. Dig Liver Dis 42(8):544-548(2010)
Bombarde, O., et al. EMBO J. 29(9):1573-1584(2010)
Shen, J., et al. Cancer Epidemiol. Biomarkers Prev. 19(1):219-228(2010)