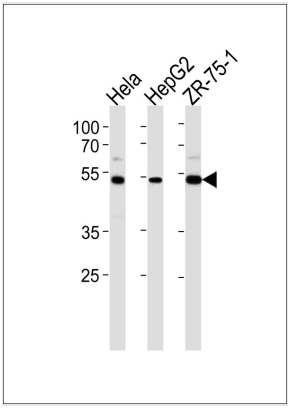
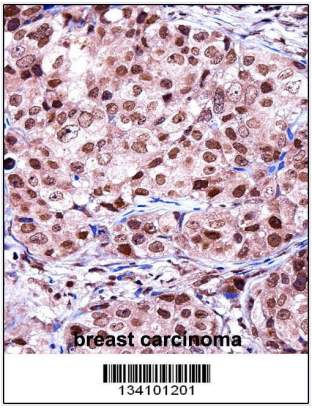
TERF2IP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TERF2IP, Polyclonal Antibody
Full Product Name	TERF2IP, CT (TERF2IP, DRIP5, RAP1, Telomeric repeat-binding factor 2-interacting protein 1, Dopamine receptor-interacting protein 5, Repressor/activator protein 1 homolog)
Product Gene Name	anti-Terf2ip antibody
Product Synonym Names	Anti -TERF2IP, CT (TERF2IP, DRIP5, RAP1, Telomeric repeat-binding factor 2-interacting protein 1, Dopamine receptor-interacting protein 5, Repressor/activator protein 1 homolog)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	43,353 Da
Chromosome Location	Chromosome: 8; NC_000074.6 (112011359..112020528). Location: 8 E1; 8
3D Structure	ModBase 3D Structure for Q91VL8
Immunogen	TERF2IP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 348-378 amino acids from the C-terminal region of human TERF2IP.
Product Categories/Family for anti-Terf2ip antibody	Antibodies; Abs to Binding Proteins
Applications Tested/Suitable for anti-Terf2ip antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-Terf2ip antibody	Suitable for use in Western Blot, Immunohistochemistry, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500 Immunohistochemistry: 1:10-50
Related Product Information for anti-Terf2ip antibody	The gene encodes a protein that is part of a complex involved in telomere length regulation. Pseudogenes are present on chromosomes 5 and 22.
Other Notes	Small volumes of anti-Terf2ip antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Terf2ip purchase	MBS6007337 is an antibody targeting Terf2ip. Also known as TERF2IP, CT (TERF2IP, DRIP5, RAP1, Telomeric repeat-binding factor 2-interacting protein 1, Dopamine receptor-interacting protein 5, Repressor/activator protein 1 homolog). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-Terf2ip antibody
TERF2IP Antibody (C-term) western blot analysis in Hela,HepG2,ZR-75-1 cell line lysates (35ug/lane).This demonstrates the TE2IP antibody detected the TE2IP protein (arrow).



Immunohistochemistry (IHC) of anti-Terf2ip antibody
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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Terf2ip. It may not necessarily be applicable to this product.

NCBI GI #	160948575
NCBI GeneID	57321
NCBI Accession #	NP_065609.2
UniProt Primary Accession #	Q91VL8
UniProt Secondary Accession #	Q543F4; Q8C2Y1; Q9JJE8; Q9JJE9; D3YWE8
UniProt Related Accession #	Q91VL8
GenBank Nucleotide #	NM_020584.2
NCBI Official Full Name	telomeric repeat-binding factor 2-interacting protein 1
NCBI Official Synonym Full Names	telomeric repeat binding factor 2, interacting protein
NCBI Official Symbol	Terf2ip
NCBI Official Synonym Symbols	Rap1
UniProt Protein Name	Telomeric repeat-binding factor 2-interacting protein 1
UniProt Synonym Protein Names	Repressor/activator protein 1 homolog
Protein Family	Telomeric repeat-binding factor 2-interacting protein
UniProt Gene Name	Terf2ip
UniProt Synonym Gene Names	Rap1; TERF2-interacting telomeric protein 1; TRF2-interacting telomeric protein 1
UniProt Entry Name	TE2IP_MOUSE
NCBI Protein Information	telomeric repeat-binding factor 2-interacting protein 1; RAP1 homolog; TRF2-interacting telomeric protein 1; TERF2-interacting telomeric protein 1; repressor/activator protein 1 homolog; TRF2-interacting telomeric protein Rap1

UniProt Comments for Terf2ip	TERF2IP: 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. Associates with the I-kappa-B-kinase (IKK) core complex, composed of CHUK, IKBKB and IKBKG. Homodimer. Component of the shelterin complex (telosome) composed of TERF1, TERF2, TINF2, TERF2IP ACD and POT1. Interacts with TERF2; the interaction is direct. Does not interact with TERF1. Interacts with SLX4/BTBD12. Ubiquitous. Highly expressed. Belongs to the RAP1 family. Protein type: DNA replication Cellular Component: nucleoplasm; chromosome, telomeric region; nuclear telomere cap complex; Mre11 complex; nuclear chromosome, telomeric region; cytoplasm; nuclear envelope; chromosome; nucleus Molecular Function: protein binding; DNA binding Biological Process: negative regulation of telomere maintenance; positive regulation of I-kappaB kinase/NF-kappaB cascade; regulation of transcription, DNA-dependent; transcription, DNA-dependent; negative regulation of DNA recombination at telomere; positive regulation of peptidyl-serine phosphorylation; telomere maintenance; protection from non-homologous end joining at telomere; activation of NF-kappaB transcription factor
Research Articles on Terf2ip	**1.** Mesenchymal high-grade glioma is maintained by the ID-RAP1 axis.
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