



# Anti-TERF2IP (internal region) polyclonal antibody (DPABH-27251)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Antigen Description

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 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.

<b>Immunogen</b>	A synthetic peptide from an internal region of Mouse RAP1 conjugated to a immunogenic carrier protein.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Rat, Human
<b>Purification</b>	Whole antiserum
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P, IHC-Fr
<b>Format</b>	Liquid

<b>Size</b>	100 µl
<b>Buffer</b>	Constituent: Whole serum
<b>Preservative</b>	None
<b>Storage</b>	Store at 4°C short term (1-2 weeks). Add glycerol to a final volume of 50%, aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TERF2IP telomeric repeat binding factor 3, interacting protein [ Mus musculus ]</a>
<b>Official Symbol</b>	TERF2IP
<b>Synonyms</b>	TERF2IP; telomeric repeat binding factor 2, interacting protein; Rap1; 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;
<b>Entrez Gene ID</b>	<a href="#">57321</a>
<b>Protein Refseq</b>	<a href="#">NP_065609.2</a>
<b>UniProt ID</b>	<a href="#">Q91VL8</a>
<b>Pathway</b>	Cell Cycle; Cellular responses to stress; DNA Damage/Telomere Stress Induced Senescence; Meiosis
<b>Function</b>	DNA binding; protein binding;