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TERF1 Rabbit mAb

Catalog # AP77625

Product Information

Application	WB, IF, ICC
Primary Accession	P54274
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human TRF1
Purification	Affinity Chromatography
Calculated MW	50246

Additional Information

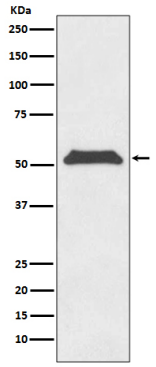
Gene ID	7013
Other Names	TERF1
Dilution	WB~~1/500-1/1000 IF~~1:50~200 ICC~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	TERF1
Synonyms	PIN2, TRBF1, TRF, TRF1
Function	Binds the telomeric double-stranded 5'-TTAGGG-3' repeat and negatively regulates telomere length (PubMed:31595153). Involved in the regulation of the mitotic spindle. Component of the shelterin complex (telosome) that is involved in the regulation of telomere length and protection. Shelterin associates with arrays of double-stranded 5'- TTAGGG-3' repeats added by telomerase and protects chromosome ends; without its protective activity, telomeres are no longer hidden from the DNA damage surveillance and chromosome ends are inappropriately processed by DNA repair pathways.
Cellular Location	Nucleus. Cytoplasm, cytoskeleton, spindle. Chromosome, telomere. Note=Colocalizes with telomeric DNA in interphase and prophase cells. Telomeric localization decreases in metaphase, anaphase and telophase.

	Associates with the mitotic spindle (PubMed:11943150). Colocalizes with TRIOBP isoform 1 at the telomeres in interphase (PubMed:24692559)
Tissue Location	Highly expressed and ubiquitous. Isoform Pin2 predominates

Images



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