

Anti-TERF1 (Phospho-S219) Antibody

Catalog # AP51655

Product Information

Application	WB
Primary Accession	P54274
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50246

Additional Information

Gene ID	7013
Other Names	PIN2; TRBF1; TRF; TRF1; Telomeric repeat-binding factor 1; NIMA-interacting protein 2; TTAGGG repeat-binding factor 1; Telomeric protein Pin2/TRF1
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S219 of human TERF1 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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

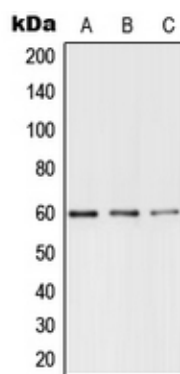
Tissue Location

Highly expressed and ubiquitous. Isoform Pin2 predominates

References

Chong L.,et al.Science 270:1663-1667(1995).
de Lange T.,et al.Submitted (MAY-1997) to the EMBL/GenBank/DDBJ databases.
Broccoli D.,et al.Nat. Genet. 17:231-235(1997).
Shen M.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:13618-13623(1997).
Nusbaum C.,et al.Nature 439:331-335(2006).

Images



Western blot analysis of TERF1 (Phospho-S219) expression in DLD UV-treated (A), Raw264.7 UV-treated (B), PC12 UV-treated (C) whole cell lysates. (Predicted band size: 50 kD; Observed band size: 60 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.