

TERF1 (pS219) Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51655**Specification**

TERF1 (pS219) Antibody - Product Information

Application	WB, E
Primary Accession	P54274
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60 KDa

TERF1 (pS219) Antibody - Additional Information**Gene ID** 7013**Other Names**

Telomeric repeat-binding factor 1, NIMA-interacting protein 2, TTAGGG repeat-binding factor 1, Telomeric protein Pin2/TRF1, TERF1, PIN2, TRBF1, TRF, TRF1

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C.Stable for 12 months from date of receipt

TERF1 (pS219) Antibody - Protein Information**Name** TERF1**Synonyms** PIN2, TRBF1, TRF, TRF1**Function**

Binds the telomeric double-stranded 5'-TTAGGG-3' repeat and negatively regulates telomere length. 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

TERF1 (pS219) Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TERF1 (pS219) Antibody - Images**TERF1 (pS219) Antibody - Background**

Binds the telomeric double-stranded TTAGGG repeat and negatively regulates telomere length. 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 TTAGGG 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.

TERF1 (pS219) Antibody - 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).