

TERF1 / TRF1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3072a**Specification**

TERF1 / TRF1 Antibody (internal region) - Product Information

Application	WB
Primary Accession	P54274
Other Accession	NP_059523.2 , 7013
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	50246

TERF1 / TRF1 Antibody (internal region) - 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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TERF1 / TRF1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

TERF1 / TRF1 Antibody (internal region) - 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 / TRF1 Antibody (internal region) - 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 / TRF1 Antibody (internal region) - Images



AF3072a (0.3 µg/ml) staining of Human Testis lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

TERF1 / TRF1 Antibody (internal region) - Background

This antibody is expected to recognize isoform 1 (NP_059523.2).

TERF1 / TRF1 Antibody (internal region) - References

Plk1 phosphorylation of TRF1 is essential for its binding to telomeres. Wu ZQ, Yang X, Weber G, Liu

X. J Biol Chem. 2008 Sep 12;283(37):25503-13. PMID: 18625707