

TRF1 (phospho Ser219) Polyclonal Antibody

Catalog # AP67332

Specification

TRF1 (phospho Ser219) Polyclonal Antibody - Product Information

Application
Primary Accession
Reactivity

Host Clonality WB
P54274
Human, Mouse
Rabbit
Polyclonal

TRF1 (phospho Ser219) Polyclonal Antibody - Additional Information

Gene ID 7013

Other Names

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

TRF1 (phospho Ser219) Polyclonal 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

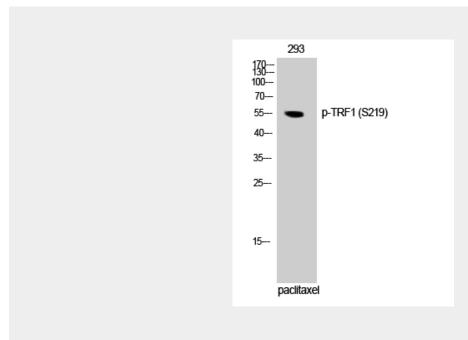
Highly expressed and ubiquitous. Isoform Pin2 predominates

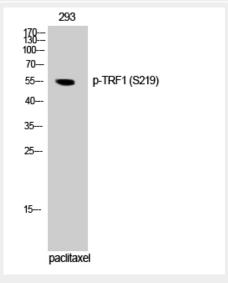
TRF1 (phospho Ser219) Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TRF1 (phospho Ser219) Polyclonal Antibody - Images









TRF1 (phospho Ser219) Polyclonal Antibody - Background

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