

Anti-TRF1 TERF1 Rabbit Monoclonal Antibody
Catalog # ABO13519**Specification**

Anti-TRF1 TERF1 Rabbit Monoclonal Antibody - Product Information

Application	WB, IF, ICC
Primary Accession	P54274
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-TRF1 TERF1 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human, Mouse.

Anti-TRF1 TERF1 Rabbit Monoclonal 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

Calculated MW

50246 MW KDa

Application Details

WB 1:500-1:2000
ICC/IF 1:50-1:200

Subcellular Localization

Nucleus. Cytoplasm, cytoskeleton, spindle. Chromosome, telomere. Colocalizes with telomeric DNA in interphase and prophase cells. Telomeric localization decreases in metaphase, anaphase and telophase. Associates with the mitotic spindle.

Tissue Specificity

Highly expressed and ubiquitous. Isoform Pin2 predominates.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human TRF1

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-TRF1 TERF1 Rabbit Monoclonal 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

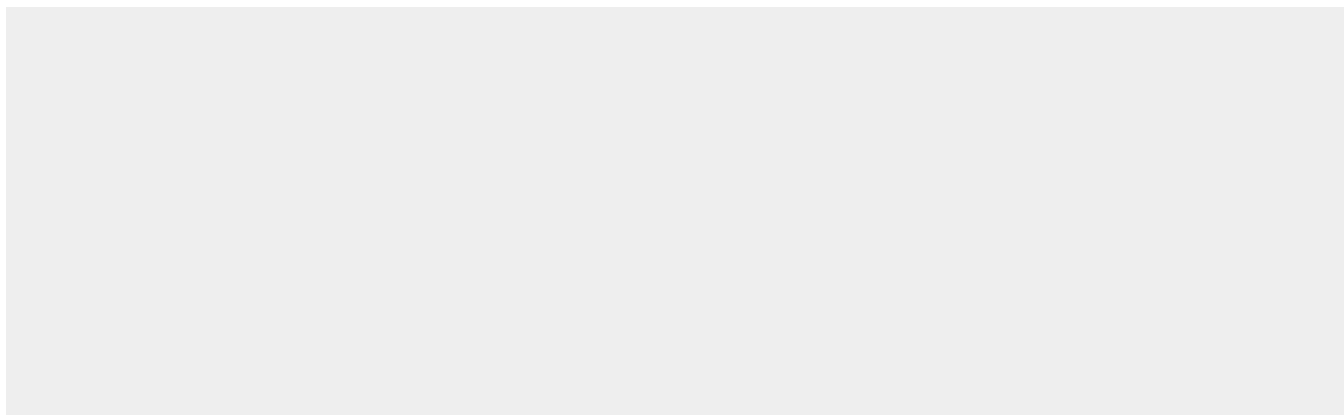
Highly expressed and ubiquitous. Isoform Pin2 predominates

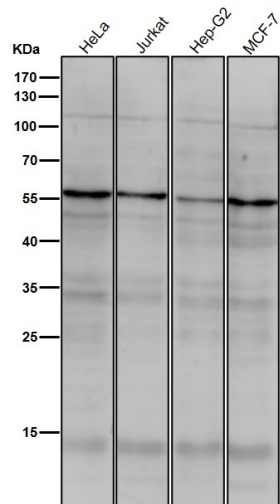
Anti-TRF1 TERF1 Rabbit Monoclonal Antibody - Protocols

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

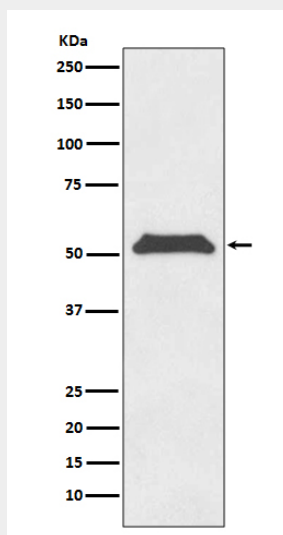
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-TRF1 TERF1 Rabbit Monoclonal Antibody - Images





All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of TRF1 expression in HeLa cell lysate.