

Rabbit anti-Human TRF1/TERF1 Polyclonal Antibody | anti-TERF1 antibody

Anti-TRF1/TERF1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126231	Rabbit	Human	Western Blot, Immunocytochemistry, Immunofluorescence, ELISA

PRODUCT SYNONYMS

TRF1/TERF1; Polyclonal Antibody; Anti-TRF1/TERF1 Antibody Picoband; anti-TERF1 antibody

PRODUCT SPECIFICATIONS

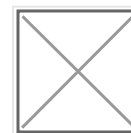
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-TERF1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human TRF1/TERF1 recombinant protein (Position: Q119-R341).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



IF (Immunofluorescence)

Figure 2. IF analysis of TRF1/TERF1 using anti-TRF1/TERF1 antibody (AAA126231). TRF1/TERF1 was detected in an immunocytochemical section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-TRF1/TERF1 Antibody (AAA126231) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of TRF1/TERF1 using anti-TRF1/TERF1 antibody (AAA126231). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Jurkat whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TRF1/TERF1 antigen affinity purified polyclonal antibody (#AAA126231) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TRF1/TERF1 at approximately 55 kDa. The expected band size for TRF1/TERF1 is at 50 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TERF1 antibody	Telomeric repeat-binding factor 1 is a protein that in humans is encoded by the TERF1 gene. This gene encodes a telomere specific protein which is a component of the telomere nucleoprotein complex. This protein is present at telomeres throughout the cell cycle and functions as an inhibitor of telomerase, acting in cis to limit the elongation of individual chromosome ends. The protein structure contains a C-terminal Myb motif, a dimerization domain near its N-terminus and an acidic N-terminus. Two transcripts of this gene are alternatively spliced products.
Product Categories/Family for anti-TERF1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	189409140
NCBI GeneID	7013
NCBI Accession #	NP_003209.2
NCBI GenBank Nucleotide #	NM_003218.3
UniProt Accession #	P54274; Q15553; Q8NHT6; Q93029; A7XP29
Molecular Weight	50,246 Da
NCBI Official Full Name	telomeric repeat-binding factor 1 isoform 2
NCBI Official Synonym Full Names	telomeric repeat binding factor (NIMA-interacting) 1
NCBI Official Symbol	TERF1
NCBI Official Synonym Symbols	TRF; PIN2; TRF1; TRBF1; t-TRF1; hTRF1-AS
NCBI Protein Information	telomeric repeat-binding factor 1; NIMA-interacting protein 2; telomeric protein Pin2/TRF1; TTAGGG repeat-binding factor 1
UniProt Protein Name	Telomeric repeat-binding factor 1
UniProt Gene Name	TERF1
UniProt Synonym Gene Names	PIN2; TRBF1; TRF; TRF1
UniProt Entry Name	TERF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/trf1-terf1-antibody-western-blot-immunocytochemistry-immunofluorescence-elisa/126231>