

Rabbit anti-Human, Mouse TERF2 Polyclonal Antibody | anti-TERF2 antibody

TERF2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231506	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

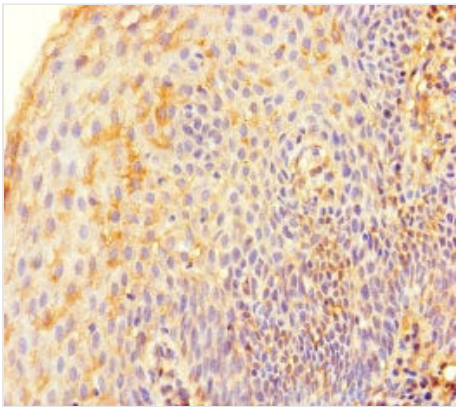
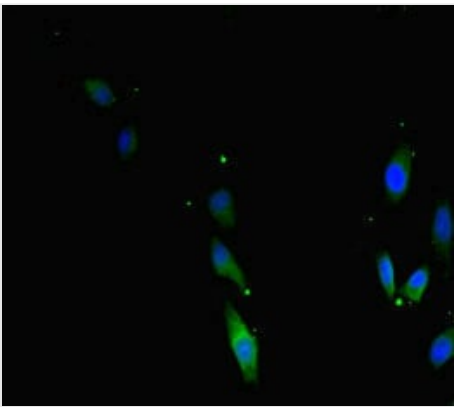
PRODUCT SYNONYMS

TERF2; Polyclonal Antibody; TERF2 Antibody; Telomeric repeat-binding factor 2; TTAGGG repeat-binding factor 2; Telomeric DNA-binding protein; TRBF2; TRF2; anti-TERF2 antibody

PRODUCT SPECIFICATIONS

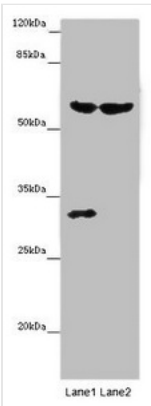
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	542
Applicable Applications for anti-TERF2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Telomeric repeat-binding factor 2 protein
Conjugate	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-8528 / sc-32104 / sc-32106 / sc-9143
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemisry)
Immunofluorescent analysis of HeLa cells using AAA231506 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human tonsil tissue using AAA231506 at dilution of 1:100



WB (Western Blot)
Western blotAll lanes: TERF2 antibody at 14 ug/mLane 1: Mouse thymus tissueLane 2: MCF7 whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 60,33 kDaObserved band size: 60,31 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TERF2 antibody

Binds the telomeric double-stranded 5'-TTAGGG-3' repeat and plays a central role in telomere maintenance and protection against end-to-end fusion of chromosomes. In addition to its telomeric DNA-binding role, required to recruit a number of factors and enzymes required for telomere protection, including the shelterin complex, TERF2IP/RAP1 and DCLRE1B/Apollo. 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. Together with DCLRE1B/Apollo, plays a key role in telomeric loop (T loop) formation by generating 3' single-stranded overhang at the leading end telomeres: T loops have been proposed to protect chromosome ends from degradation and repair. Required both to recruit DCLRE1B/Apollo to telomeres and activate the exonuclease activity of DCLRE1B/Apollo. Preferentially binds to positive supercoiled DNA. Together with DCLRE1B/Apollo, required to control the amount of DNA topoisomerase (TOP1, TOP2A and TOP2B) needed for telomere replication during fork passage and prevent aberrant telomere topology. Recruits TERF2IP/RAP1 to telomeres, thereby participating in to repressing homology-directed repair (HDR), which can affect telomere length.

NCBI AND UNIPROT INFORMATION

NCBI GI #	429535832
NCBI GeneID	7014
NCBI Accession #	NP_005643.2

NCBI GenBank Nucleotide #	NM_005652.4
UniProt Accession #	Q15554
Molecular Weight	32,298 Da
NCBI Official Full Name	telomeric repeat-binding factor 2
NCBI Official Synonym Full Names	telomeric repeat binding factor 2
NCBI Official Symbol	TERF2
NCBI Official Synonym Symbols	TRF2; TRBF2
NCBI Protein Information	telomeric repeat-binding factor 2
UniProt Protein Name	Telomeric repeat-binding factor 2
UniProt Gene Name	TERF2
UniProt Synonym Gene Names	TRBF2; TRF2
UniProt Entry Name	TERF2_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/terf2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/231506>