

Rabbit anti-Human TERT Polyclonal Antibody | anti-TERT antibody

TERT Antibody (S1125)

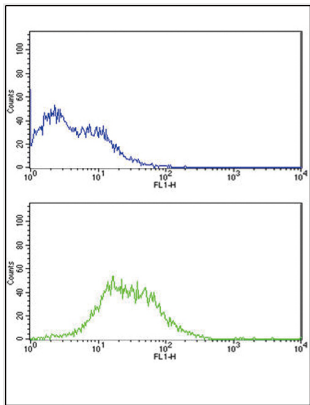
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286805	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot, Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

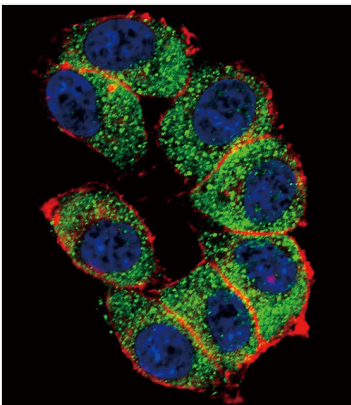
TERT; Polyclonal Antibody; TERT Antibody (S1125); Telomerase reverse transcriptase; HEST2; Telomerase catalytic subunit; Telomerase-associated protein 2; TP2; EST2; TCS1; TRT; anti-TERT antibody

PRODUCT SPECIFICATIONS

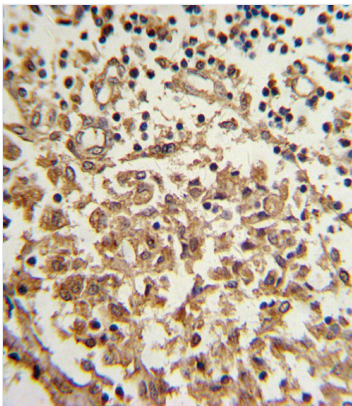
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TERT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1104-1132 amino acids from human TERT.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.43 (varies by lot)
Sequence Positions	1104-1132
Sequence Length	795
Applicable Applications for anti-TERT antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



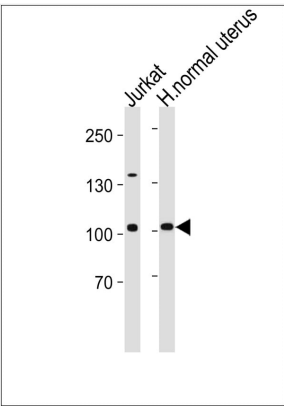
FCM/FACS (Flow Cytometry)
TERT Antibody (S1125) flow cytometric analysis of Jurkat cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of TERT Antibody (S1125) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lymph with TERT Antibody (S1125), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
TERT Antibody (pS1125) western blot analysis in Jurkat cell line and human normal uterus tissue lysates (35ug/lane). This demonstrates the TERT antibody detected the TERT protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TERT antibody	Telomerase is a ribonucleoprotein polymerase that maintains telomere ends by addition of the telomere repeat TTAGGG. The enzyme consists of a protein component with reverse transcriptase activity, encoded by this gene, and an RNA component which serves as a template for the telomere repeat. Telomerase expression plays a role in cellular senescence, as it is normally repressed in postnatal somatic cells resulting in progressive shortening of telomeres. Deregulation of telomerase expression in somatic cells may be involved in oncogenesis. Studies in mouse suggest that telomerase also participates in chromosomal repair, since de novo synthesis of telomere repeats may occur at double-stranded breaks.
Product Categories/Family for anti-TERT antibody	Crown Antibodies; Cancer; Cell Biology; Immunology; Metabolism; Neuroscience; Signal Transduction
References	Sekaric,P., J. Virol. 82 (1), 71-76 (2008) Okawa,T., Genes Dev. 21 (21), 2788-2803 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	301129200
NCBI GeneID	7015
NCBI Accession #	NP_001180305.1; NP_937983.2
NCBI GenBank Nucleotide #	NM_001193376.1

UniProt Accession #	O14746; O14783; Q2XS35; Q8N6C3; Q8NG38; Q8NG46
Molecular Weight	126997
NCBI Official Full Name	telomerase reverse transcriptase isoform 2
NCBI Official Synonym Full Names	telomerase reverse transcriptase
NCBI Official Symbol	TERT
NCBI Official Synonym Symbols	TP2; TRT; CMM9; EST2; TCS1; hTRT; DKCA2; DKCB4; hEST2; PFBMFT1
NCBI Protein Information	telomerase reverse transcriptase
UniProt Protein Name	Telomerase reverse transcriptase
UniProt Gene Name	TERT
UniProt Synonym Gene Names	EST2; TCS1; TRT; TP2
UniProt Entry Name	TERT_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/tert-antibody-flow-cytometry-western-blot-immunofluorescence-immunohistochemistry-elisa/286805>