

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

Anti-TERT / Telomerase Antibody (aa627-656) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162173	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

TERT / Telomerase; Polyclonal Antibody; Anti-TERT / Telomerase Antibody (aa627-656) IHC-plus; Rabbit Polyclonal to Human TERT / Telomerase; Human TERT / Telomerase; DKCB4; EST2; HEST2; PFBMFT1; Telomerase; TP2; DKCA2; HTRT; TCS1; Telomerase catalytic subunit; TRT; anti-TERT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Ammonium sulfate precipitation
Form/Format	PBS, 0.09% sodium azide
Sequence Length	1132
Applicable Applications for anti-TERT antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	TERT / Telomerase antibody was raised against kLH conjugated synthetic peptide selected from the Center region of human TERT.
Immunogen Description	KLH conjugated synthetic peptide selected from the Center region of human TERT.
Immunogen Type	Synthetic peptide
Antigen Modification	aa627-656
Target Species	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.

IMAGES



FCM/FACS (Flow Cytometry)

TERT Antibody flow cytometry of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



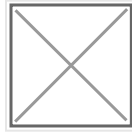
WB (Western Blot)

Western blot of anti-TERT Antibody (RB14069) in Jurkat cell line lysates (35 ug/lane). TERT (arrow) was detected using the purified antibody.



IF (Immunofluorescence)

Fluorescent confocal image of HeLa cell stained with TERT Antibody. HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with TERT primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7 units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). TERT immunoreactivity is localized to Nucleus significantly and Cytoplasm weakly.



IF (Immunofluorescence)

Fluorescent confocal image of SY5Y cells stained with TERT antibody. SY5Y cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated TERT primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1 h). Nuclei were counterstained with Hoechst 33342 (blue) (10 ug/ml, 5 min). TERT immunoreactivity is localized to the nucleus of SY5Y cells.

IHC (Immunohistochemistry)

Anti-TERT / Telomerase antibody IHC staining of human skin. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1:100.

ADDITIONAL INFORMATION

Related Product Information for anti-TERT antibody

TERT Antibody, DKCB4 Antibody, EST2 Antibody, HEST2 Antibody, PFBMFT1 Antibody, Telomerase Antibody, TP2 Antibody, DKCA2 Antibody, HTRT Antibody, TCS1 Antibody, Telomerase catalytic subunit Antibody, TRT Antibody Description: Telomerase is a ribonucleoprotein enzyme essential for the replication of chromosome termini in most eukaryotes. Active in progenitor and cancer cells. Inactive, or very low activity, in normal somatic cells. Catalytic component of the telomerase holoenzyme complex whose main activity is the elongation of telomeres by acting as a reverse transcriptase that adds simple sequence repeats to chromosome ends by copying a template sequence within the RNA component of the enzyme.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6226780
NCBI GeneID	7015
UniProt Accession #	O14746; O14783; Q2XS35; Q8N6C3; Q8NG38; Q8NG46
Molecular Weight	88,965 Da
NCBI Official Full Name	Telomerase reverse transcriptase
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.