

Rabbit anti-Human Phospho-TERT (Y707) Polyclonal Antibody | anti-TERT antibody

Phospho-TERT (Y707) Antibody

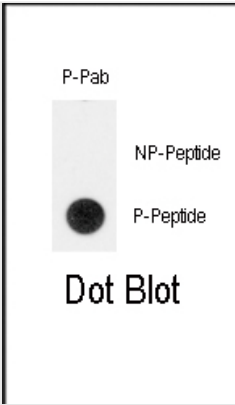
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287260	Rabbit	Human	ELISA, Dot Blot, Immunofluorescence

PRODUCT SYNONYMS

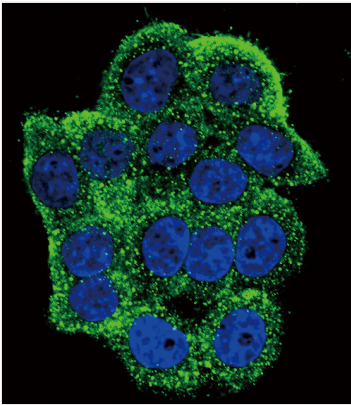
Phospho-TERT (Y707); Polyclonal Antibody; Phospho-TERT (Y707) Antibody; Telomerase reverse transcriptase; HEST2; Telomerase catalytic subunit; Telomerase-associated protein 2; TP2; TERT; EST2; TCS1; TRT; anti-TERT antibody

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 phosphopeptide corresponding to amino acid residues surrounding Y707 of 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: 0.5 (varies by lot)
Sequence Length	795
Applicable Applications for anti-TERT antibody	ELISA, DB (Dot Blot), IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
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.



DB (Dot Blot)
Dot blot analysis of anti-Phospho-TERT-pY707 Antibody on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of Phospho-TERT-pY707 Antibody 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).

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, 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	Cancer; Cell Biology; Developmental Biology; Neuroscience; Signal Transduction; Phospho Antibodies
References	Jakob S, et al. (2008) J Biol Chem 283, 33155-61 Haendeler J, et al. (2003) Mol Cell Biol 23, 4598-610

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://www.aaabiotech.com/polyclonal/phospho-tert-y707-antibody-dot-blot-immunofluorescence-elisa/287260>