

Datasheet for ABIN7270762
anti-TERT antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	TERT
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TERT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	TERT Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1000 to the C-terminus of human TERT (NP_937983.2).
Sequence:	NIYKILLQA YRFHACVLQL PFHQVWKNP TFFLRVISDT ASLCYSILKA KNAGMSLGAK GAAGPLPSEA VQWLCHQAFL LKLTRHRVTY VPLLGSLRTA QTQLSRKLPG TTLTALEAAA NPALPSDFKT ILD
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	TERT
Alternative Name:	TERT (TERT Products)
Background:	<p>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. Alternatively spliced variants encoding different isoforms of telomerase reverse transcriptase have been identified, the full-length sequence of some variants has not been determined. Alternative splicing at this locus is thought to be one mechanism of regulation of telomerase activity.,TERT,CMM9,DKCA2,DKCB4,EST2,PFBMFT1,TCS1,TP2,TRT,hEST2,hTRT,Epigenetics & Nuclear Signaling,Cancer,Tumor biomarkers,Cell Biology & Developmental Biology,Stem Cells,Embryonic Stem Cells,TERT</p>
Molecular Weight:	88kDa/90kDa/120kDa/126kDa
Gene ID:	7015
UniProt:	O14746
Pathways:	Telomere Maintenance

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

Handling

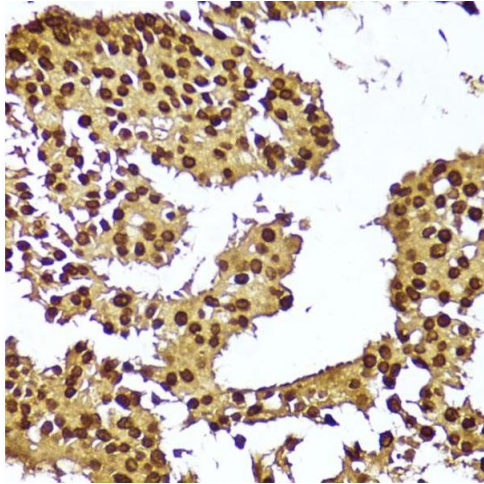
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human breast cancer using TERT antibody (ABIN7270762) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.