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Datasheet for ABIN7171713
anti-TERT antibody (AA 281-436)

1 Image

Overview

Quantity:	100 µg
Target:	TERT
Binding Specificity:	AA 281-436
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TERT antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Telomerase reverse transcriptase protein (281-436AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	TERT
Alternative Name:	TERT (TERT Products)
Background:	Background: Telomerase is a ribonucleoprotein enzyme essential for the replication of chromosome termini in most eukaryotes. Active in progenitor and cancer cells. Inactive, or very

Target Details

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. Catalyzes the RNA-dependent extension of 3'-chromosomal termini with the 6-nucleotide telomeric repeat unit, 5'-TTAGGG-3'. The catalytic cycle involves primer binding, primer extension and release of product once the template boundary has been reached or nascent product translocation followed by further extension. More active on substrates containing 2 or 3 telomeric repeats. Telomerase activity is regulated by a number of factors including telomerase complex-associated proteins, chaperones and polypeptide modifiers. Modulates Wnt signaling. Plays important roles in aging and antiapoptosis.

Aliases: CMM9 antibody, DKCA2 antibody, DKCB4 antibody, EST2 antibody, HEST2 antibody, htert antibody, hTERT antibody, PFBMFT1 antibody, TCS1 antibody, Telomerase associated protein 2 antibody, Telomerase catalytic subunit antibody, Telomerase reverse transcriptase antibody, Telomerase-associated protein 2 antibody, Telomere Reverse Transcriptase antibody, TERT antibody, TERT_HUMAN antibody, TP2 antibody, TRT antibody

UniProt: [014746](#)

Pathways: [Telomere Maintenance](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

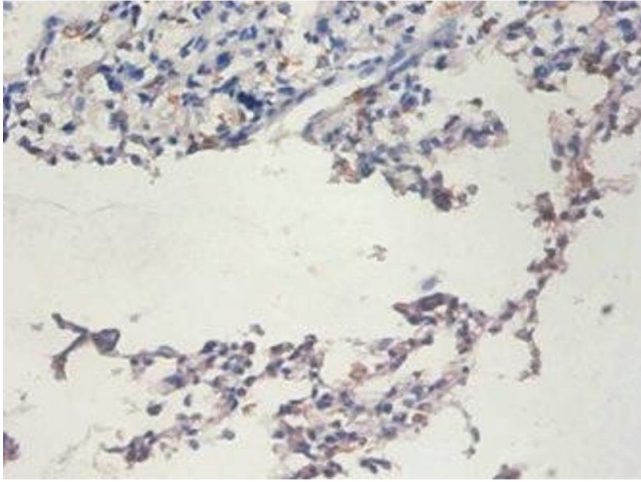
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human lung tissue using ABIN7171713 at dilution of 1:100