



Rabbit Anti-Human TERT monoclonal antibody, clone 20I7M7 (CABT-L1632)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with Monkey, Pig, Dog and Bovine
Target	TERT
Immunogen	Protein corresponding to Human TERT (aa 200-400)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	20I7M7
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	IF, WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS, pH 7.4
Preservative	0.09% Sodium Azide
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

BACKGROUND

Introduction

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 (TERT) 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.

Keywords

TERT;telomerase reverse transcriptase;TP2;TRT;CMM9;EST2;TCS1;hTRT;DKCA2;DKCB4;hEST2;PFBMFT1;telomerase catalytic subunit;telomerase-associated protein 2

GENE INFORMATION

Entrez Gene ID

[7015](#)

UniProt ID

[O14746](#)
