

Datasheet for ABIN5542472  
**anti-TERT antibody (AA 1029-1132)**



[Go to Product page](#)

6 Images

### Overview

Quantity:	0.1 mg
Target:	TERT
Binding Specificity:	AA 1029-1132
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TERT antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC)

### Product Details

Immunogen:	Purified recombinant fragment of human TERT (AA: 1029-1132) expressed in E. coli.
Clone:	3H2C12
Isotype:	IgG1
Purification:	purified

### Target Details

Target:	TERT
Alternative Name:	TERT ( <a href="#">TERT Products</a> )
Background:	Description: Telomerase is a ribonucleoprotein polymerase that maintains telomere ends by

## Target Details

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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. ,

Aliases: TP2, TRT, CMM9, EST2, TCS1, hTRT, DKCA2, DKCB4, hEST2, PFBMFT1

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Molecular Weight: 127 kDa

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Gene ID: 7015

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HGNC: 7015

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Pathways: [Telomere Maintenance](#)

## Application Details

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Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: , FCM: 1:200 - 1:400

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Purified antibody in PBS with 0.05 % sodium azide

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Preservative: Sodium azide

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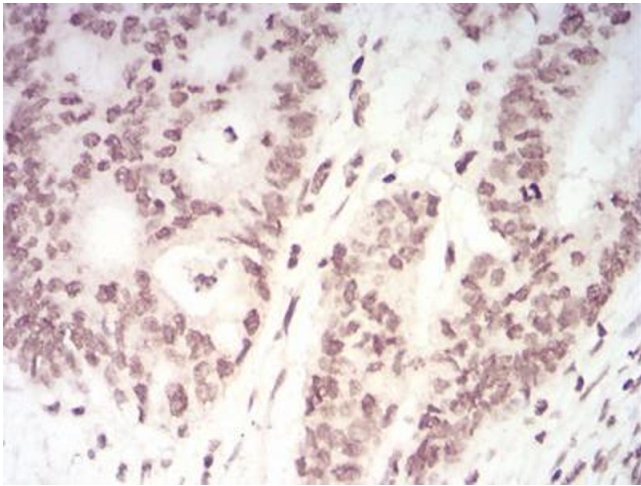
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C/-20 °C

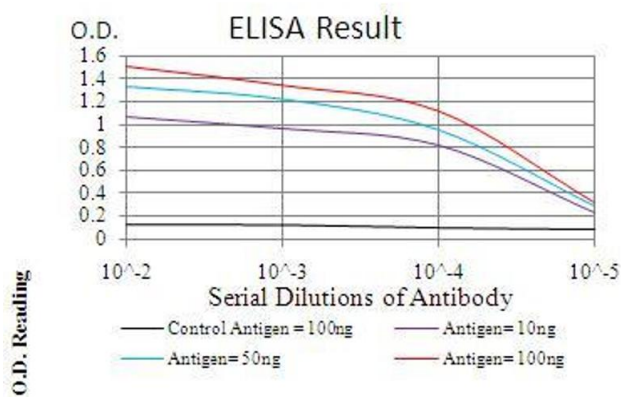
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Storage Comment: 4°C, -20°C for long term storage



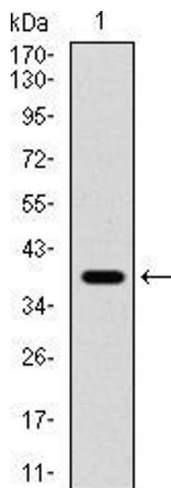
### Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using TERT mouse mAb with DAB staining.



### ELISA

**Image 2.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



### Western Blotting

**Image 3.** Western blot analysis using TERT mAb against human TERT (AA: 1029-1132) recombinant protein. (Expected MW is 37.1 kDa)

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5542472.