

## Product Datasheet

# TERT Antibody

Catalog No: CY5139

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IP



### Information

**UniProt ID:** O14746

**All Names:** TCS1; HEST2; EST2; TRT; Telomerase reverse transcriptase; Telomerase-associated protein 2; Telomerase catalytic subunit;

**Form:** Liquid

**Storage instructions:** Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Storage buffer:** pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

**Immunogen:** A synthesized peptide derived from human TERT

**Molecular Wt.:** 127 kDa

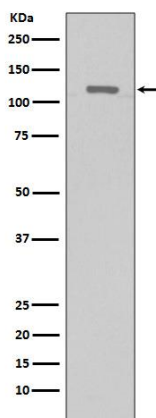
### Application

WB: 1:500~1:1000

IP: 1:50~1:100

### 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 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. 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.



Western blot analysis of extracts from Hela cells, using TERT antibody.

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