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TERT (C) Antibody, Rabbit Polyclonal

Cat#: R2356-2

Quantity: 100 ul

Predicted | Observed MW: 127 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: O14746

Background:

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 Telomerase reverse transcriptase (TERT), 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 TERT have been identified. Alternative splicing at this locus is thought to be one mechanism to regulate telomerase activity [provided by RefSeq].

Other Names:

Telomerase reverse transcriptase, HEST2, Telomerase catalytic subunit, Telomerase-associated protein 2, TP2, EST2, TCS1, TRT, hEST2, TR2

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human TERT. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

**For research use only. Not for therapeutic or diagnostic purposes.
Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301**

Product Data:

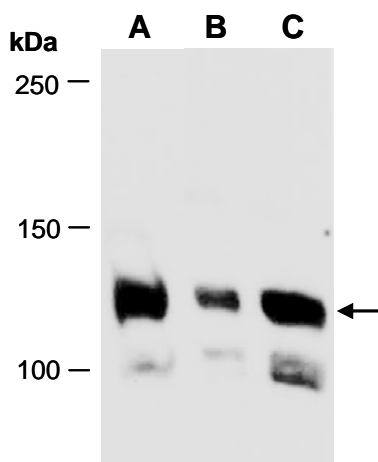


Fig 1. Western blot of total cell extracts from (A) mouse brain, (B) human HeLa, (C) human Jurkat; using anti-TERT (C) (R2356-2) at RT for 2 h.