

Anti-TERT Antibody

Catalog Number: A00012-3

About TERT

Telomerase reverse transcriptase (TERT) is a catalytic subunit of telomerase. TERT plays a key role in cancer formation, ensuring chromosomal stability by maintaining telomere length, and allowing cells to avert senescence. It constitutes a limiting factor for formation of the telomerase complex in cancer cells. TERT is one of two major components of the larger telomerase complex, which extends telomeres by adding specific short repetitive DNA sequences. 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. The calculated MW of TERT is 127 kDa, 27586-1-AP can detect a band around 100 kDa.

Overview

Product Name	Anti-TERT Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TERT Antibody catalog # A00012-3. Tested in WB, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	O14746

Technical Details

Immunogen	E.coli-derived human TERT recombinant protein (Position: G221-W317).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000

ELISA, 1:100-1000

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