

Product Information

Anti-TERT
antibody produced in chicken,
affinity isolated antibody

Catalog Number **GW23058**
Formerly listed as GenWay Catalog Number 15-288-23058,
Telomerase reverse transcriptase Antibody.

Storage Temperature Store at -20 °C

Synonyms: Telomerase reverse transcriptase isoform 1,
Telomerase catalytic subunit; HEST2; Telomerase-associated
protein 2; TP2

Product Description

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 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.

NCBI Accession number: NP_937983.2
Swiss Prot Accession number: Q9UQ24

Gene Information: Human .. TERT (7015)

Immunogen: Recombinant protein Telomerase reverse transcriptase isoform 1

Immunogen Sequence: GI # 109633031, sequence N/A - N/A

The product is a clear, colorless solution in phosphate buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human

Tested Applications: WB, IF, IHC

Recommended Dilutions: Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining 1:200.

Note: Optimal concentrations and conditions for each application should be determined by the user.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2–8 °C for up to one week. For extended storage, store in -20 °C freezer in working aliquots. Repeated freezing and thawing, or storage in "frostfree" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

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