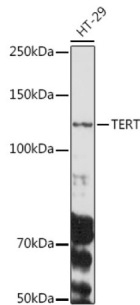


Telomerase Reverse Transcriptase (TERT) Antibody

Catalogue No.: abx002167



Western blot analysis of lysates from HT-29 cells, using TERT Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 90s.

TERT Antibody is a Rabbit Polyclonal antibody against TERT. 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.

Target:	Telomerase Reverse Transcriptase (TERT)
Clonality:	Polyclonal
Reactivity:	Human, Rat
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	ELISA: 1 µg/ml, WB: 1/500 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1000-1100 of human TERT.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Datasheet

Version: 4.0.0
Revision date: 02 Feb 2025



UniProt Primary AC: O14746 ([UniProt](#), [ExPASy](#))

Gene Symbol: TERT

GeneID: [7015](#)

OMIM: [178500](#)

NCBI Accession: NP_001180305.1, NM_001193376.1

HGNC: 11730

KEGG: hsa:7015

Ensembl: ENSG00000164362

String: [9606.ENSP00000309572](#)

Molecular Weight: Calculated MW: 127 kDa
Observed MW: 127 kDa

Buffer: PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.

Concentration: > 0.2 mg/ml

Note: This product is for research use only.

For Reference Only