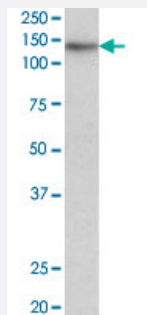


TERT polyclonal antibody

Catalog # PAB24580 Size 100 ug

Applications



Western Blot (Tissue lysate)

TERT polyclonal antibody (Cat # PAB24580) (0.5 ug/mL) staining of human skeletal muscle lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of TERT.
Immunogen	A synthetic peptide corresponding to amino acids 597-611 at internal region of human TERT.
Sequence	C-QLRELSEAEVRQHRE
Host	Goat
Theoretical MW (kDa)	140
Reactivity	Human
Specificity	This antibody is expected to recognize both reported isoforms (NP_937983.2; (NP_001180305.1).
Form	Liquid
Purification	Antigen affinity purification
Recommend Usage	ELISA (1:32000) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

TERT polyclonal antibody (Cat # PAB24580) (0.5 ug/mL) staining of human skeletal muscle lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — TERT

Entrez GeneID[7015](#)**Protein Accession#**[NP_937983.2;NP_001180305.1](#)**Gene Name**

TERT

Gene Alias

EST2, TCS1, TP2, TRT, hEST2

Gene Description

telomerase reverse transcriptase

Omim ID[187270 609135](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

telomerase catalytic subunit

Disease

- [Adenocarcinoma](#)
- [Anemia](#)
- [Asthma](#)
- [Bone Marrow Diseases](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Dyskeratosis Congenita](#)
- [Eczema](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis](#)
- [Hypersensitivity](#)

- [Leukemia](#)
- [Lung Neoplasms](#)
- [Melanoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Myocardial Infarction](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Pancreatic Neoplasms](#)
- [Papillomavirus Infections](#)
- [Pulmonary Disease](#)
- [Pulmonary Fibrosis](#)
- [Rhinitis](#)
- [Skin Neoplasms](#)
- [Syndrome](#)
- [Testicular Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Virus Diseases](#)
- [Werner syndrome](#)