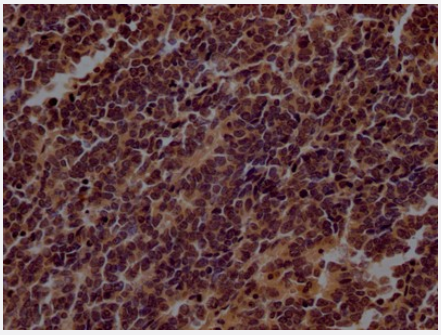
RecomAb™ Sm Size

TERT recombinant monoclonal antibody, clone 5C11

Catalog # RAB07974 Size 50 uL

Applications



Immunohistochemistry

Immunohistochemistry image of TERT recombinant monoclonal antibody, clone 5C11 diluted at 1:100 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human TERT.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human TERT.
Theoretical MW (kDa)	Calculated MW: 87, 8
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of TERT recombinant monoclonal antibody, clone 5C11 diluted at 1:100 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — TERT

Entrez GeneID	7015
Protein Accession#	O14746
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 tel omere 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 telomer e repeat. Telomerase expression plays a role in cellular senescence, as it is normally repressed i n postnatal somatic cells resulting in progressive shortening of telomeres. Deregulation of telomer ase expression in somatic cells may be involved in oncogenesis. Studies in mouse suggest that t elomerase 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 regu lation of telomerase activity. [provided by RefSeq
Other Designations	telomerase catalytic subunit

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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

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- 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

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