

For Research Use Only

TERT Polyclonal antibody

Catalog Number: 27586-1-AP

5 Publications



Basic Information

Catalog Number:

27586-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26270

GenBank Accession Number:

NM_001193376

GeneID (NCBI):

7015

UNIPROT ID:

O14746

Full Name:

telomerase reverse transcriptase

Calculated MW:

127 kDa

Observed MW:

~100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse lung tissue, rat lung tissue

Background Information

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Nan Ma	39265716	Chem Biol Interact	WB,IF
Dan Xu	39145095	Transl Cancer Res	WB
Jingzhao Sun	38523689	J Inflamm Res	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

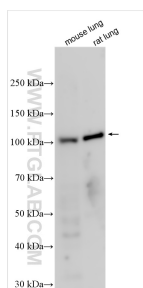
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27586-1-AP (TERT antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.