

For Research Use Only

TERT Polyclonal antibody

Catalog Number: 27586-1-AP **1 Publications**



Basic Information

Catalog Number: 27586-1-AP	GenBank Accession Number: NM_001193376	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 µg/ml by Nanodrop;	GeneID (NCBI): 7015	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: telomerase reverse transcriptase	
Isotype: IgG	Calculated MW: 127 kDa	
Immunogen Catalog Number: AG26270	Observed MW: ~100 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse lung tissue, rat lung tissue
Cited Applications: WB	
Species Specificity: Human, mouse, rat	
Cited Species: human	

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
Qi Chen	37736245	J Tissue Eng	WB

Storage

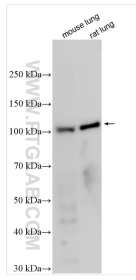
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.