

## TERT (phospho-S824) polyclonal antibody

Catalog: AP0350

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Telomerase is an RNA-dependent DNA polymerase that catalyzes the addition of telomeric repeat sequences to chromosome ends. In most human somatic cells, telomerase activity is undetectable, and telomeres shorten with successive cell divisions. However, telomerase activity is detectable in immortal cells and in many human tumors. Two candidate mammalian telomerase proteins have been cloned. Human TP1 (for telomerase-associated protein 1), also designated TLP1 in rat (for telomerase protein component 1), is homologous to the Tetrahymena p80 telomerase protein and has been shown to interact with mammalian telomerase RNA. Human TERT (for telomerase reverse transcriptase), also designated hEST2 (for ever shorter telomeres), is homologous to the p123 telomerase protein from Euplotes and to the yeast Est2 protein. Expression of TERT mRNA has been shown to correlate with telomerase activity in various cell lines.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 127 kDa

### Swiss-Prot:

O14746

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 104% (by SDS-PAGE).

### Applications:

WB:1:500~1:1000

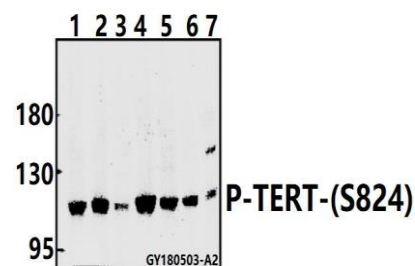
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-TERT (S824) polyclonal antibody detects endogenous levels of TERT protein when phosphorylated at Ser824.

### DATA:



Western blot (WB) analysis of TERT (phospho-S824) polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate(40ug)

Lane2:H1792 whole cell lysate(40ug)

Lane3:HepG2 whole cell lysate(40ug)

Lane4:Panc1 whole cell lysate(40ug)

Lane5:K562 whole cell lysate(40ug)

Lane6: The Thymus tissue lysate of Rat(40ug)

Lane7: The Lung tissue lysate of Mouse(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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