



## Rabbit Anti-phospho-TERT (Ser1125) antibody

SL5605R

<b>Product Name:</b>	phospho-TERT (Ser1125)
<b>Chinese Name:</b>	磷酸化端粒酶逆转录酶抗体
<b>Alias:</b>	p-TERT(Ser1125); TERT(phospho Ser1125); TERT(phospho S1125); EST2; hEST2; TCS1; Telomerase associated protein 2; Telomerase Catalytic Subunit; Telomere Reverse Transcriptase; TERT; TP2; TRT.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000Flow-Cyt=0.2µg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	124kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human TERT around the phosphorylation site of Ser1125:LP(p-S)DF
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Telomerase is a ribonucleoprotein enzyme essential for the replication of chromosome termini in most eukaryotes. It elongates telomeres. It is a reverse transcriptase that adds simple sequence repeats to chromosome ends by copying a template sequence within the RNA component of the enzyme. Telomerase are large DNA-protein complexes with

telomerase expression being the subject of recent research due to its link to cell immortalization. Recent evidence has shown that MYC upregulates the catalytic subunit of telomerase, TERT, and that TERT cooperates with HPV E7 in cell immortalization. Ever since the discovery that telomeres are short in cancer cells and telomerase is activated in immortal cells, telomerase has been associated with oncogenes. During the past year, major advances have been made in understanding the link between telomerase expression and cell immortality. Studies of yeast telomeres have revealed an unexpected role for the non-homologous end-joining machinery in telomere maintenance and have provided the first definitive evidence that telomeres play a critical role in meiosis. Identification of new telomere proteins has led to a better understanding of vertebrate telomere structure and function.

**SWISS:**  
O14746

**Gene ID:**  
7015

**Database links:**

[Entrez Gene: 7015](#)Human

[Entrez Gene: 21752](#)Mouse

[Entrez Gene: 301965](#)Rat

[SwissProt: O14746](#)Human

[SwissProt: O70372](#)Mouse

[SwissProt: Q673L6](#)Rat

**Important Note:**

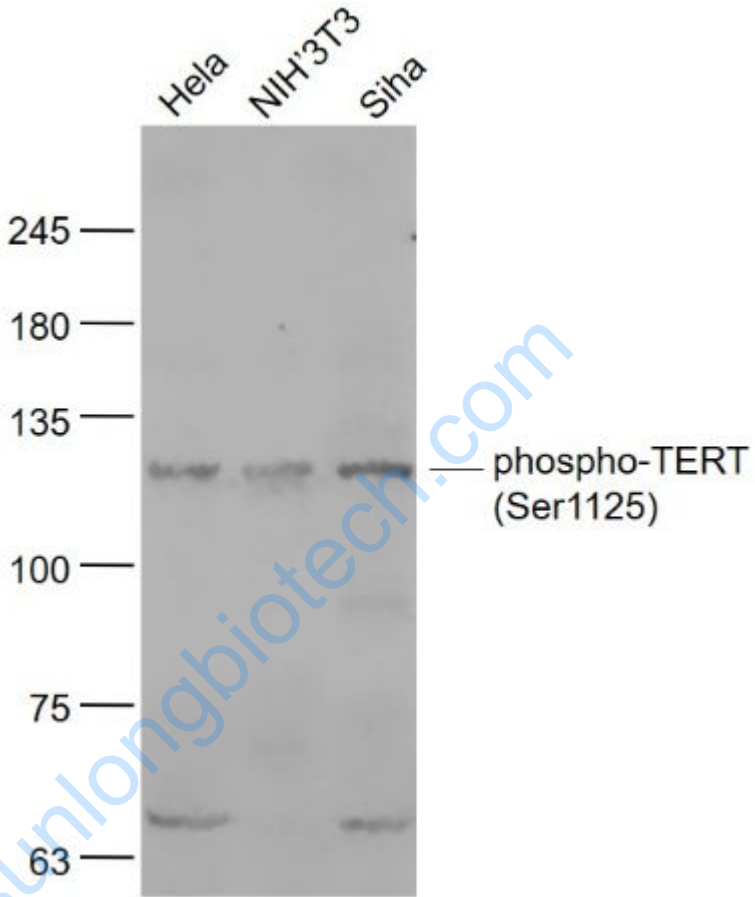
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

????端粒酶逆转录酶hTERT是构成端粒酶的组分之一,是端粒酶活性的必需和限速成分,其水平决定细胞端粒酶的活性.抑制hTERT可降低端粒酶的活性,从而抑制癌细胞生长.目前对hTERT的研究已成为端粒酶研究的热点问题,已发现TERT蛋白表达在Tumour诊断中有重要意义,并制备了hTERT抗体及应用核酶技术等来抑制hTERT蛋白的表达,抑制端粒酶活性,从而抑制Tumour的生长.

????端粒反转录酶又称端粒酶催化亚单位 (hTERT; Telomerase catalytic subunit; HEST2; Telomerase-associated protein 2; TP2; Telomerase reverse transcriptase; telomerase catalytic

subunit)是细胞永生化及恶性Tumour发生过程中的端粒酶活化的主要限速步骤。hTERT基因表达可以反映端粒酶活性,与端粒酶活性具有平行关系.

Picture:



Sample:

HeLa(Human) Cell Lysate at 30 ug

NIH/3T3(Mouse) Cell Lysate at 30 ug

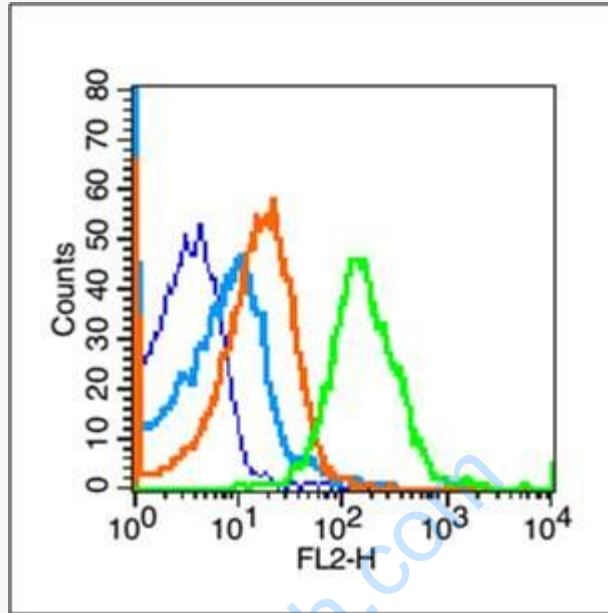
Siha(Human) Cell Lysate at 30 ug

Primary: Anti- phospho-TERT (Ser1125) (SL5605R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 124 kD

Observed band size: 124 kD



Blank control (blue line): Mouse thymus cells (fixed with 70% methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C).

Primary Antibody (green line): Rabbit Anti-phospho-TERT(Ser1125) antibody (SL5605R), Dilution: 0.2µg /10<sup>6</sup> cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1µg /test.