

Datasheet for ABIN3029106
anti-TERT antibody (pSer1125)



[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	TERT
Binding Specificity:	pSer1125
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TERT antibody is un-conjugated
Application:	ELISA, Dot Blot (DB)

Product Details

Immunogen:	This phospho-TERT antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS1125 of human TERT.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	TERT
Alternative Name:	TERT (TERT Products)
Background:	Telomerase is a ribonucleoprotein polymerase that maintains telomere ends by addition of the telomere repeat TTAGGG. The enzyme consists of a protein component with reverse

Target Details

transcriptase activity, and an RNA component which serves as a template for the telomere repeat. Telomerase expression plays a role in cellular senescence, as it is normally repressed in postnatal somatic cells resulting in progressive shortening of telomeres. Deregulation of telomerase expression in somatic cells may be involved in oncogenesis. Studies in mouse suggest that telomerase also participates in chromosomal repair, since de novo synthesis of telomere repeats may occur at double-stranded breaks.

UniProt:	O14746
Pathways:	Telomere Maintenance

Application Details

Application Notes:	Titration of the phospho-TERT antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Dot blot: 1:500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the phospho-TERT antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



NP-Peptide

P-Peptide

Dot Blot

Image 1. Dot blot analysis of phospho-TERT antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.



NP-Peptide

P-Peptide

Dot Blot

Image 2. Dot blot analysis of phospho-TERT antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.