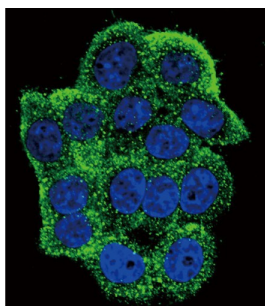
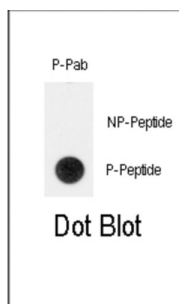


## TERT (pY707) Antibody

Catalogue No.: abx032054



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 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.

**Target:** TERT (pY707)

**Clonality:** Polyclonal

**Target Modification:** Tyr707

**Modification:** Phosphorylation

**Reactivity:** Human

**Tested Applications:** ELISA, IF/ICC, DB

**Host:** Rabbit

**Recommended dilutions:** IF/ICC: 1/10 - 1/50, DB: 1/500. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

# Datasheet

Version: 3.0.0  
Revision date: 14 Sep 2025



<b>Immunogen:</b>	KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y707 of human TERT.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified through a protein A column, followed by two-step phosphospecific peptide affinity purification.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	O14746 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	TERT
<b>GeneID:</b>	<a href="#">7015</a>
<b>OMIM:</b>	<a href="#">178500</a>
<b>NCBI Accession:</b>	NP_001180305.1, NM_001193376.1
<b>HGNC:</b>	11730
<b>KEGG:</b>	hsa:7015
<b>Ensembl:</b>	ENSG00000164362
<b>String:</b>	<a href="#">9606.ENSP00000309572</a>
<b>Molecular Weight:</b>	Calculated MW: 127 kDa
<b>Buffer:</b>	PBS containing 0.09% sodium azide.
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.