

## CAB2979

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**Product Information**

<b>Product SKU:</b>	CAB2979	<b>Gene ID:</b>	7015	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	-	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human,Rat

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**Additional Information**

<b>Observed MW:</b>	127kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	127kDa	<b>Isotype:</b>	IgG

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**Immunogen Information**

**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 transcriptase activity, encoded by this gene, 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. Alternatively spliced variants encoding different isoforms of telomerase reverse transcriptase have been identified; the full-length sequence of some variants has not been determined. Alternative splicing at this locus is thought to be one mechanism of regulation of telomerase activity.

**Recommended Dilution:** WB,1:500 - 1:1000

**Synonyms:** TP2; TRT; CMM9; EST2; TCS1; hTERT; DKCA2; DKCB4; hEST2; PFBMFT1; TERT

**Purification Method:** Affinity purification

**Immunogen:** A synthetic peptide corresponding to a sequence within amino acids 1000-1100 of human TERT (NP\_937983.2).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.