**BACKGROUND**

Telomerase is an essential enzyme that maintains telomeres on eukaryotic chromosomes. In mammals, telomerase is required for the lifelong proliferative capacity of normal regenerative and reproductive tissues and for sustained growth in a dedifferentiated state. *Arabidopsis* telomerase reverse transcriptase (TERT) is a highly basic protein of 131 kDa that contains the conserved reverse transcriptase motifs 1, 2 and A-E as well as the TERT-specific T motif. *Arabidopsis* TERT mRNA is 10-20 times more abundant in callus, which has high levels of telomerase activity, versus leaves, which contain no detectable telomerase.

**REFERENCES**


**SOURCE**

TERT (aN-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of TERT of Arabidopsis thaliana origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-27164 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**RESEARCH USE**

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