

Telomerase Activation

An enzyme called [telomerase](#) can slow, stop or even reverse the telomere shortening that happens as we age.

Exposing human cells to telomerase slows cell aging and allows cells to begin copying again

In [gliomas](#), [TERT](#) expression and TERT promoter mutation are considered to reliably indicate [telomerase activation](#), while [ATRX](#) mutation and/or loss indicates an [alternative lengthening of telomeres](#) (ALT). However, these relationships have not been extensively validated in tumor tissues.

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