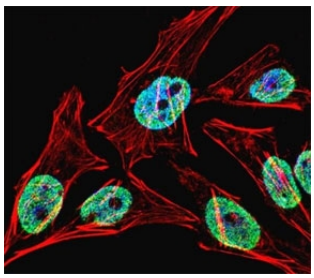
TERT Antibody (F43526)

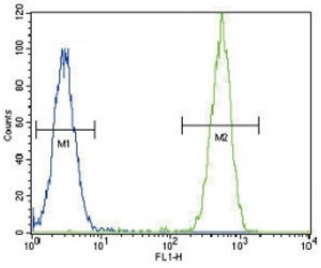
Catalog No.	Formulation	Size
F43526-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43526-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

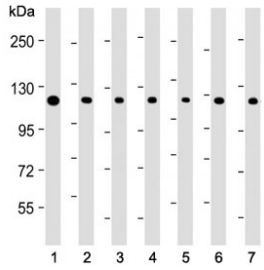
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	O14746
Applications	Western Blot : 1:1000 Flow Cytometry : 1:10-1:50 Immunofluorescence : 1:10-1:200
Limitations	This TERT antibody is available for research use only.



Fluorescent confocal image of HeLa cell stained with TERT antibody at 1:25. Immunoreactivity is localized to the nucleus strongly and cytoplasm weakly.



TERT antibody flow cytometric analysis of HeLa cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western blot testing of human 1) HeLa, 2) HT-29, 3) Jurkat, 4) MOLT4, 5) PC-3, 6) 293 and 7) COLO205 cell lysate with TERT antibody. Predicted molecular weight: 89-126 kDa (four isoforms may be visualized).

Description

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.

Application Notes

Titration of the TERT antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 627-656 from the human protein was used as the immunogen for this TERT antibody.

Storage

Aliquot the TERT antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com