

bs-20771R**[Primary Antibody]****TERT Rabbit pAb****BioSS**
ANTIBODIES

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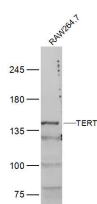
techsupport@bioss.com.cn

400-901-9800

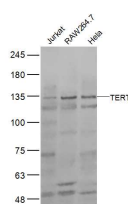
— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 7015**SWISS:** O14746**Target:** TERT**Immunogen:** KLH conjugated synthetic peptide derived from human TERT: 521-620/1132.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

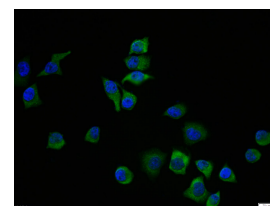
Background: Telomerase is a ribonucleoprotein polymerase that maintains telomere ends by addition of the telomere repeat TTAGGG. The enzyme consists of a protein component with reverse transcriptase activity, encoded by this gene, and an RNA component which serves as a template for the telomere repeat. 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. [provided by RefSeq, Jul 2008].

Applications: WB (1:500-2000)**Flow-Cyt** (1µg/Test)**ICC/IF** (1:100-500)**Reactivity:** Human, Mouse
(predicted: Rat, Dog)**Predicted
MW.:** 124 kDa**Subcellular
Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

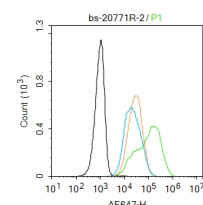
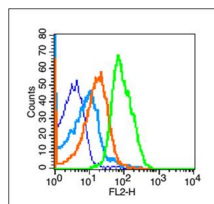
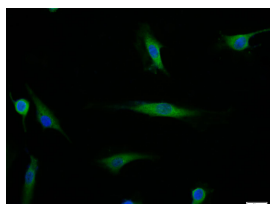
Sample: RAW264.7(Mouse) Cell Lysate at 30 ug
Primary: Anti-TERT (bs-20771R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 124 kD
Observed band size: 135 kD



Sample: Jurkat(Human) Cell Lysate at 30 ug
RAW264.7(Mouse) Cell Lysate at 30 ug
Hela(Human) Cell Lysate at 30 ug Primary: Anti-TERT (bs-20771R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 124 kD Observed band size: 135 kD



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (TERT) polyclonal Antibody, Unconjugated (bs-20771R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Tissue/cell:A549 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Antibody incubation with (TERT) polyclonal Antibody, Unconjugated (bs-20771R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

Blank control (blue line): Mouse thymus cells (fixed with 70% methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C). Primary Antibody (green line): Rabbit Anti-TERT antibody (bs-20771R),Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE,Dilution: 1µg /test.

Blank control:Hela. Primary Antibody (green line): Rabbit Anti-TERT antibody (bs-20771R) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.