

Telomerase reverse transcriptase Rabbit mAb

Catalog No: #49336

Package Size: #49336-1 50ul #49336-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

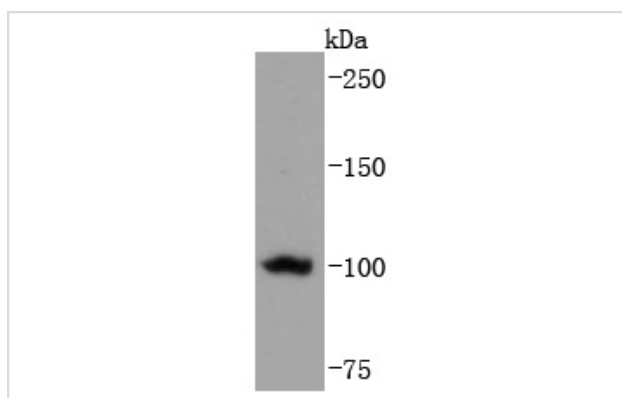
Description

Product Name	Telomerase reverse transcriptase Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JF0586
Purification	ProA affinity purified
Applications	WB, FC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	CMM9 antibody DKCA2 antibody DKCB4 antibody EST2 antibody HEST2 antibody htert antibody hTERT antibody PFBMFT1 antibody TCS1 antibody Telomerase associated protein 2 antibody Telomerase catalytic subunit antibody Telomerase reverse transcriptase antibody Telomerase-associated protein 2 antibody Telomere Reverse Transcriptase antibody TERT antibody TERT_HUMAN antibody TP2 antibody TRT antibody
Accession No.	Swiss-Prot#:O14746
Uniprot	O14746
GeneID	7015;
Calculated MW	127/120/90/89 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

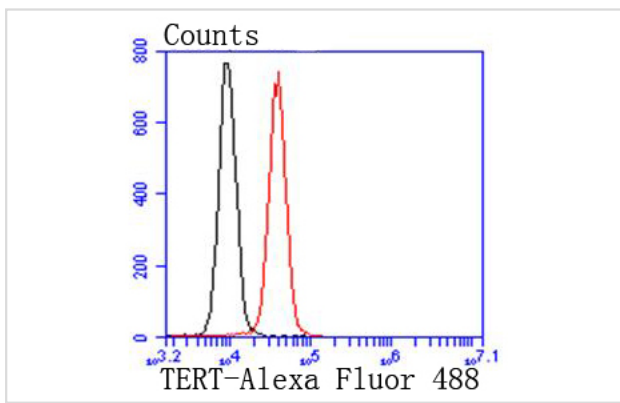
Application Details

WB: 1:1,000-1:2,000 FC: 1:50-1:100

Images



Western blot analysis of TERT on HeLa cells lysates using anti-TERT antibody at 1/1,000 dilution.



Flow cytometric analysis of HeLa cells with TERT antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

Background

Telomerase is an RNA-dependent DNA polymerase that catalyzes the addition of telomeric repeat sequences to chromosome ends. In most human somatic cells, telomerase activity is undetectable, and telomeres shorten with successive cell divisions. However, telomerase activity is detectable in immortal cells and in many human tumors. Two candidate mammalian telomerase proteins have been cloned. Human TP1 (for telomerase-associated protein 1), also designated TLP1 in rat (for telomerase protein component 1), is homologous to the Tetrahymena p80 telomerase protein and has been shown to interact with mammalian telomerase RNA. Human TERT (for telomerase reverse transcriptase), also designated hEST2 (for ever shorter telomeres), is homologous to the p123 telomerase protein from Euplotes and to the yeast Est2 protein. Expression of TERT mRNA has been shown to correlate with telomerase activity in various cell lines.

References

Note: This product is for in vitro research use only