Telomerase reverse transcriptase Rabbit mAb

Catalog No: #49336

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



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

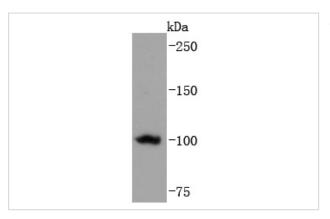
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Product Name	Telomerase reverse transcriptase Rabbit mAb			
Host Species	Recombinant Rabbit			
Clonality	Monoclonal antibody			
Clone No.	JF0586			
Purification	ProA affinity purified			
Applications	WB, FC			
Species Reactivity	Hu			
Immunogen Description	recombinant protein			
Other Names	CMM9 antibody DKCA2 antibody DKCB4 antibody EST2 antibody HEST2 antibody htert antibody hTRT			
	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			

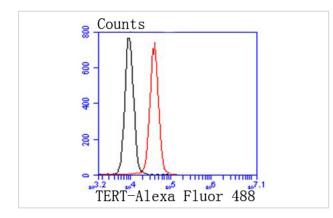
Application Details

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