

Anti-Telomerase reverse transcriptase Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

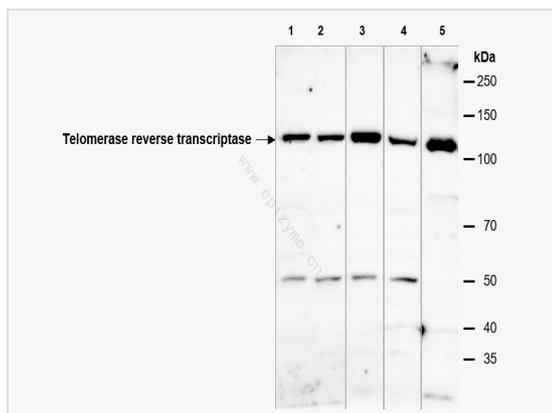
Catalog # R013783

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	21B83F21
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Telomerase reverse transcriptase
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Telomerase reverse transcriptase Rabbit mAb [21B83F21] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CMM9, DKCA2, DKCB4, EST2, PFBMFT1, TCS1, TP2, TRT, hEST2, hTRT, Telomerase catalytic subunit, Telomerase associated protein 2, Telomere Reverse Transcriptase, TERT_HUMAN.
Calculated MW	Calculated MW: 127 kDa; Observed MW: 127 kDa
Uniprot ID	O14746
Gene ID	7015
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]



Western Blot - Anti-Telomerase reverse transcriptase Rabbit mAb [21B83F21]

All lanes: R013783 at 1:1,000 dilution

Lane 1: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Jurkat (human T lymphocytic leukemia cell) whole cell lysates

Lane 3: T24 (human bladder cancer epithelial cell) whole cell lysates

Lane 4: SW620 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 5: Balb/c mouse brain whole tissue lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 127 kDa

Observed band size: 127 kDa

Developed using the ECL technique (Cat. No. SQ201).