

Anti-Telomerase/TERT Antibody

Catalog Number:PA1696

About Tert

TERT(Telomerase reverse transcriptase), is a catalytic subunit of the enzyme telomerase. Its absence(usually as a result of a chromosomal mutation) is associated with the disorder Cri du chat. The TERT gene was mapped to chromosome 5p15.33T by Meyerson, M. Elomerase lengthens telomeres in DNA strands, thereby allowing senescent cells that would otherwise become postmitotic and undergo apoptosis to exceed the Hayflick limit and become potentially immortal, as is often the case with cancerous cells. 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 mice suggest that telomerase also participates in chromosomal repair, since de novo synthesis of telomere repeats may occur at double-stranded breaks.

Overview

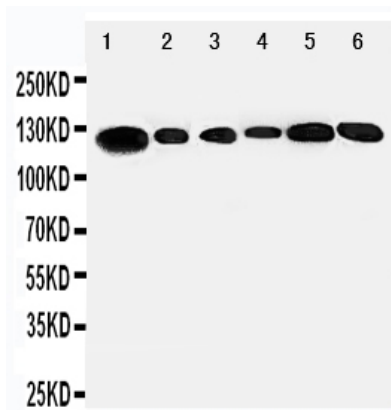
Product Name	Anti-Telomerase/TERT Antibody
Reactive Species	Mouse, Rat
Description	Rabbit IgG polyclonal antibody for Telomerase reverse transcriptase(TERT) detection. Tested with WB in Mouse;Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	O70372

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse
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	Telomerase(15-30aa RSRVREVVPLATFVRR), identical to the related rat sequence.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross reactivity with other proteins
Isotype	N/A
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5µg/ml, Mouse, Rat
	For protocols please visit https://www.bosterbio.com/protocol-and-troubleshooting/

Anti-Telomerase/TERT Antibody (PA1696) Images



Anti-Telomerase antibody, PA1696, Western blotting

Lane 1: Rat Kidney Tissue Lysate
 Lane 2: Rat Brain Tissue Lysate
 Lane 3: Mouse Liver Tissue Lysate
 Lane 4: Mouse Testis Tissue Lysate
 Lane 5: Mouse Kidney Tissue Lysate
 Lane 6: Mouse Heart Tissue Lysate

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