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Datasheet for ABIN5533222
anti-TERT antibody (AA 1104-1132)

3 Images

Overview

Quantity:	400 µL
Target:	TERT
Binding Specificity:	AA 1104-1132
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TERT antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This TERT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1104-1132 amino acids from human TERT.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TERT
Alternative Name:	TERT (TERT Products)
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

Target Details

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.

Molecular Weight: 127 kDa

Gene ID: 7015

UniProt: [O14746](#)

Pathways: [Telomere Maintenance](#)

Application Details

Application Notes: For WB starting dilution is: 1:1000

For IHC-P starting dilution is: 1:10~50

For IF starting dilution is: 1:10~50

For FACS starting dilution is: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.3 mg/mL

Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

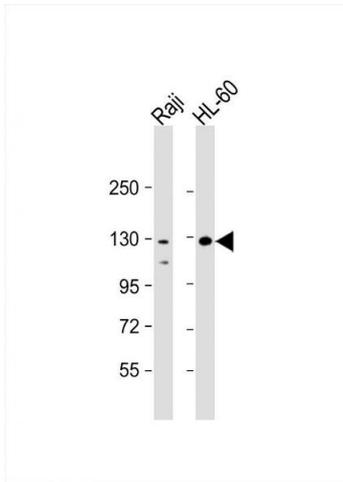
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to

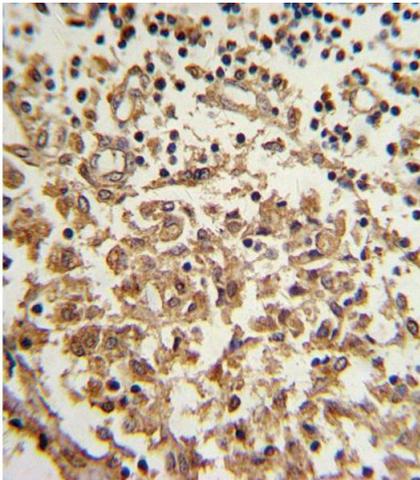
prolonged high temperatures.

Images



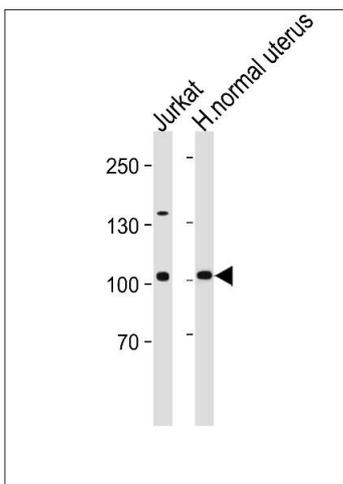
Western Blotting

Image 1. Western Blot at 1:2000 dilution Lane 1: Raji whole cell lysate Lane 2: HL-60 whole cell lysate Lysates/proteins at 20 ug per lane.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human lymph with TERT Antibody (S1125), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western Blotting

Image 3. Western blot analysis in Jurkat cell line and human normal uterus tissue lysates (35ug/lane). This demonstrated the TERT protein (arrow).