

TERT antibody

Catalog No: #38520

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Description

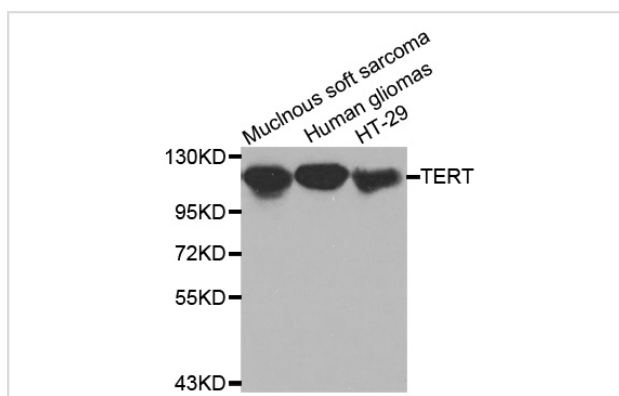
Product Name	TERT antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total TERT antibody.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human TERT.
Target Name	TERT
Other Names	TP2; TRT; EST2; TCS1; hTRT; DKCA2; DKCB4; hEST2; PFBMFT1;
Accession No.	Swiss-Prot#: O14746NCBI Gene ID: 7015
SDS-PAGE MW	120kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

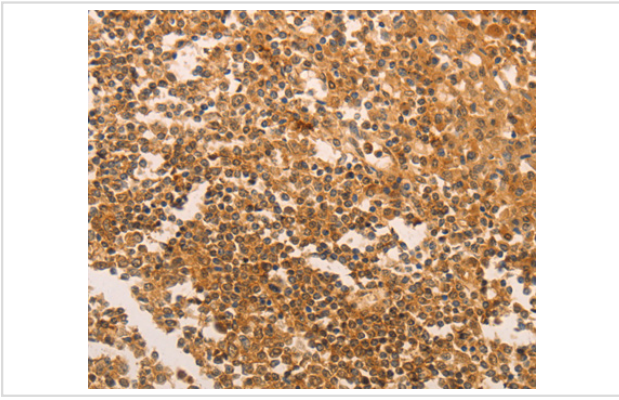
Western blotting: □ 1:500 - 1:2000

Immunohistochemistry: □ 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using TERT antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using TERT antibody.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.