

Product datasheet for **TA301587**

Telomerase reverse transcriptase (TERT) Mouse Monoclonal Antibody [Clone ID: 2D8]

Product data:

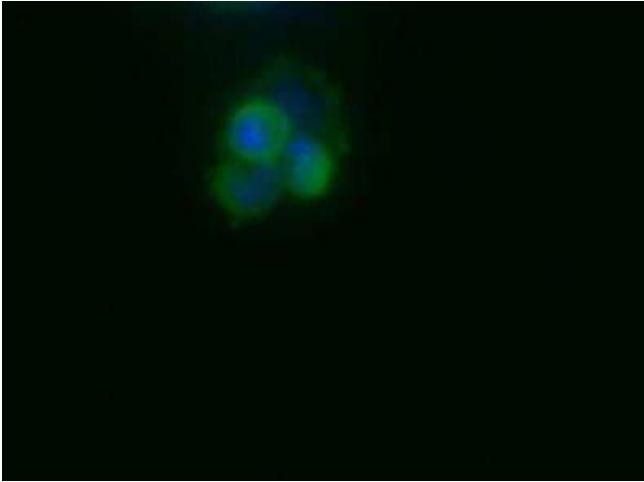
Product Type:	Primary Antibodies
Clone Name:	2D8
Applications:	FC, ICC/IF, IHC, WB
Recommended Dilution:	Knockdown Validated, Flow Cytometry: 1:50-1:200, Immunocytochemistry/ Immunofluorescence: 1:50-1:200, Western Blot: 1:500-1:1000, Immunohistochemistry: 1:50- 1:100, Immunohistochemistry-Paraffin: 1:50-1:100, Immunohistochemistry-Frozen: 1:50-1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Full-length recombinant hTERT from insect cells.
Formulation:	0.1% sodium azide
Purification:	Ascites
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	telomerase reverse transcriptase
Database Link:	NP_937983 Entrez Gene 7015 Human O14746
Background:	Telomeres are nucleoprotein structures at the ends of eukaryotic chromosomes. They regulate several crucial cellular functions and participate in the control of complex phenotypes, such as aging and cancer. Cell immortalization is strongly associated with the stabilization of telomere length. Therefore, it is suggested that cancer cells achieve immortalization in part through illegitimate activation of telomerase expression. hTERT is the rate-limiting catalytic subunit of telomerase. Telomerase is an enzyme uniquely associated with immortal cell lines and is useful for identifying undifferentiated PSCs.
Synonyms:	CMM9; DKCA2; DKCB4; EST2; hEST2; hTERT; PFBMFT1; TCS1; TP2; TRT



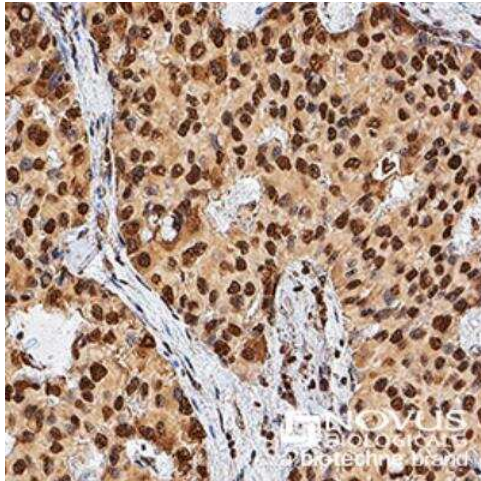
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Protein Families: Druggable Genome

Product images:

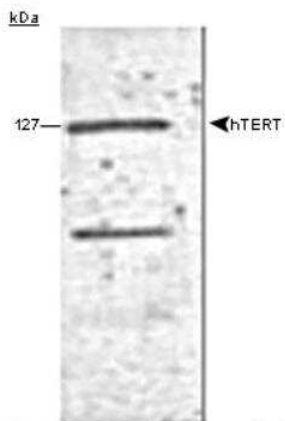


Immunocytochemistry/Immunofluorescence: TERT Antibody (2D8) TA301587 - Detection of Tert (green) in HepG2 cells using TA301587. Nuclei (Blue) are counterstained with Hoechst 33258.



Immunohistochemistry-Paraffin: TERT Antibody (2D8) TA301587 - TERT was detected in immersion fixed paraffin-embedded sections of human liver cancer using anti-human mouse monoclonal antibody (Catalog # TA301587) at 1:600 dilution overnight at 4C. Tissue was stained using the VisuCyte anti-mouse HRP polymer detection reagent (Catalog # VC001) with DAB chromogen (brown) and counterstained with hematoxylin (blue).

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Western Blot: TERT Antibody (2D8) TA301587 - Analysis of human TERT, using TA301587. Sample: MJ90 whole cell lysate.