

# Product Datasheet

## TERT Antibody (2C4) - Azide and BSA Free NBP2-80975

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-80975**

TERT Antibody (2C4) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2C4
Preservative	No Preservative
Isotype	IgM
Purity	IgM purified
Buffer	Tris-Glycine
Target Molecular Weight	127 kDa

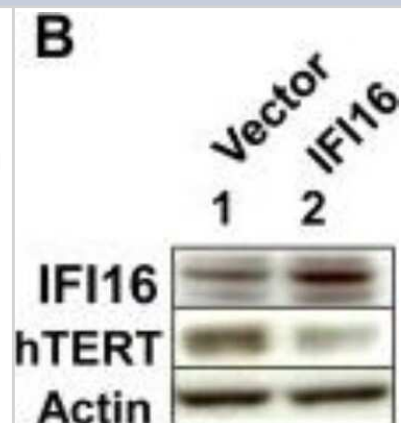
Product Description	
Description	Novus Biologicals Mouse TERT Antibody (2C4) - Azide and BSA Free (NB100-317) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF, IP and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7015
Gene Symbol	TERT
Species	Human, Mouse, Rat
Immunogen	Full-length recombinant human Telomerase reverse transcriptase (TERT) from insect cells. [Uniprot: O14746].

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:500, Chromatin Immunoprecipitation reported in scientific literature (PMID 30936423), Flow Cytometry 1:50 - 1:200, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 26725521), Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:50, Chromatin Immunoprecipitation (ChIP)
Application Notes	In Western blot, this antibody recognizes a band at ~127 kDa. An additional background band may be seen at ~110 kDa. Note that the isotype is IgM and the appropriate secondary should be used.

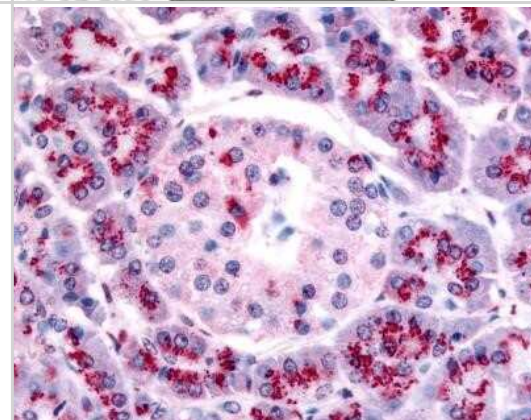


## Images

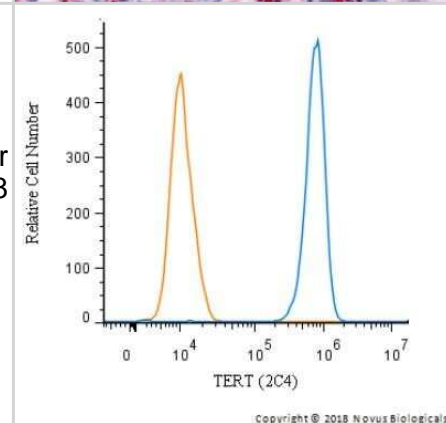
Western Blot: TERT Antibody (2C4) - Azide and BSA Free [NBP2-80975] - Increased levels of IFI16 protein in WI-38 cells reduce hTERT levels and inhibit telomerase activity. Total protein extracts prepared from WI-38 cells, either transfected with control (pCMV) vector (lane 1) or pCMV-IFI16 plasmid (lane 2), were subjected to immunoblotting using antibodies specific to the indicated proteins. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0008569>), licensed under a CC-BY license. Image from the standard format of this antibody.



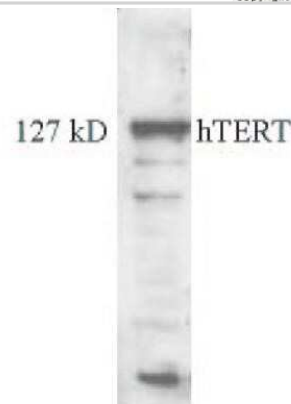
Immunohistochemistry: TERT Antibody (2C4) - Azide and BSA Free [NBP2-80975] - Normal human pancreas showing moderate staining of exocrine cells and a subset of islets of Langerhans. Image from the standard format of this antibody.



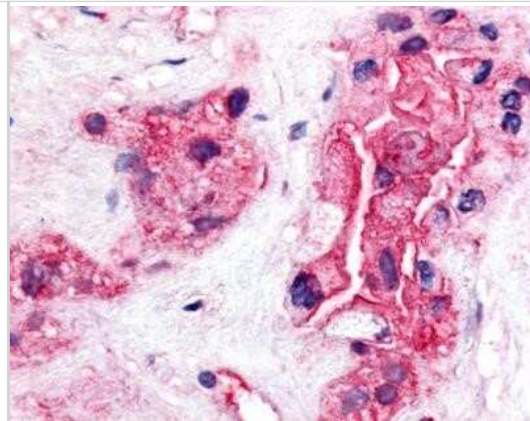
Flow Cytometry: TERT Antibody (2C4) - Azide and BSA Free [NBP2-80975] - An intracellular stain was performed on Jurkat cells with TERT Antibody (2C4) NB100-317 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by mouse IgM Alexa Fluor 488-conjugated secondary antibody. Image from the standard format of this antibody.



Western Blot: TERT Antibody (2C4) - Azide and BSA Free [NBP2-80975] - 1:500 dilution on MJ90 cells. Image from the standard format of this antibody.



Immunohistochemistry: TERT Antibody (2C4) - Azide and BSA Free [NBP2-80975] - Human Pancreatic carcinoma showing strong staining of tumor cells. Image from the standard format of this antibody.





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### **Products Related to NBP2-80975**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97007	Mouse IgM Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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