

Product Datasheet

Topoisomerase I Antibody - BSA Free NBP1-90365

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 2

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NBP1-90365

Topoisomerase I Antibody - BSA Free

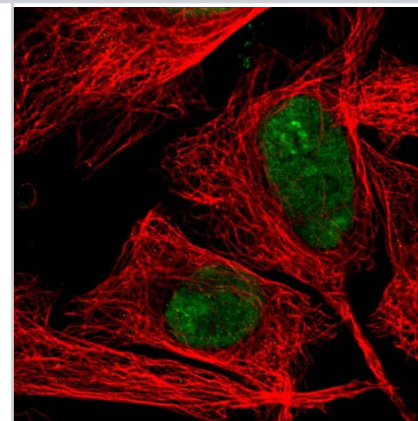
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	7150
Gene Symbol	TOP1
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: KVRASGDAKIKKEKENGFSPPQIKDEPEDDGYFVPPKEDIKPLKRPRDEDDAD YKPKK

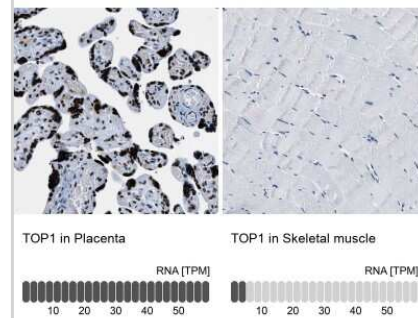
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Proximity Ligation Assay
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000, Proximity Ligation Assay Reported in scientific literature (PMID:35013124).
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

Images

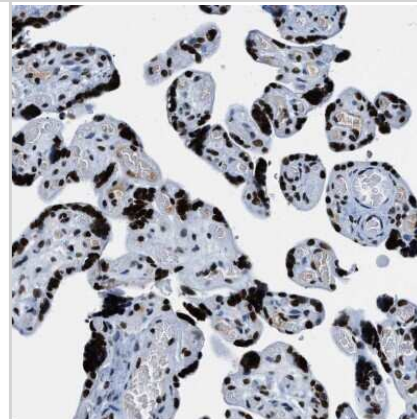
Staining of human cell line U-2 OS shows localization to nucleus & nucleoli fibrillar center.



Immunohistochemistry-Paraffin: Topoisomerase I Antibody [NBP1-90365] - Analysis in human placenta and skeletal muscle tissues. Corresponding TOP1 RNA-seq data are presented for the same tissues.



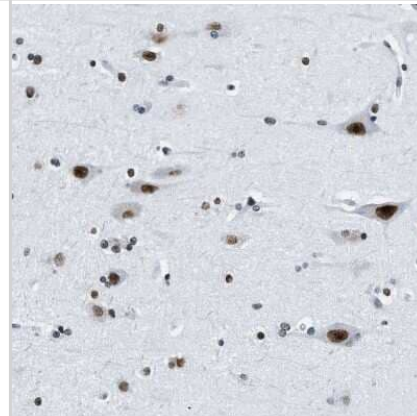
Immunohistochemistry-Paraffin: Topoisomerase I Antibody [NBP1-90365] - Staining of human placenta shows very strong nuclear positivity in trophoblastic cells.



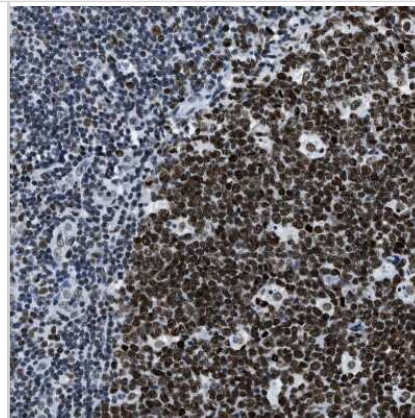
Immunohistochemistry-Paraffin: Topoisomerase I Antibody [NBP1-90365] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



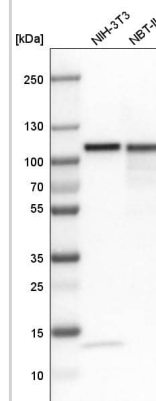
Immunohistochemistry-Paraffin: Topoisomerase I Antibody [NBP1-90365] - Staining of human cerebral cortex shows strong nuclear positivity in neurons.



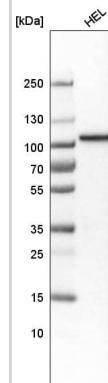
Immunohistochemistry-Paraffin: Topoisomerase I Antibody [NBP1-90365] - Staining of human lymphoid tissues shows strong nuclear positivity in germinal center cells.



Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



Analysis in human cell line HEL.



Publications

Jhanji M, Bhan A, Arrowood C et al. Tyrosine and Phenylalanine Activate Neuronal DNA Repair but Exhibit Opposing Effects on Global Transcription and Adult Female Mice Are Resilient to TyrRS / YARS1 Depletion IUBMB life 2025-06-06 [PMID: 40476370]

Hu J, Lin SL, Schachner M A fragment of cell adhesion molecule L1 reduces amyloid-beta plaques in a mouse model of Alzheimer's disease Cell death & disease 2022-01-10 [PMID: 35013124] (WB, ICC/IF, PLA, Mouse)



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Products Related to NBP1-90365

NBP1-90365PEP	Topoisomerase I Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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