

Product Datasheet

Topoisomerase I Antibody - BSA Free NBP1-30482

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NBP1-30482

Topoisomerase I Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	91 kDa

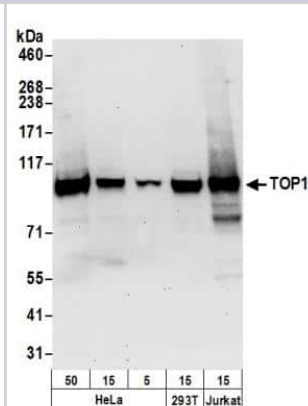
Product Description	
Host	Rabbit
Gene ID	7150
Gene Symbol	TOP1
Species	Human, Mouse
Immunogen	The immunogen for this product maps to a region between residue 715 and 765 of human DNA topoisomerase I using the numbering given in entry NP_003277.1 (GeneID 7150).

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunoprecipitation 2 - 10 ug/mg lysate
Application Notes	Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

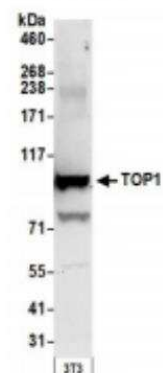


Images

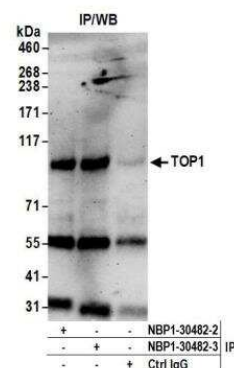
Western Blot: Topoisomerase I Antibody [NBP1-30482] - Detection of Human TOP1 by Western Blot. Samples: Whole cell lysate (50, 15, 5 ug) from HeLa and (50 ug) from 293T and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-TOP1 antibody NBP1-30482 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Western Blot: Topoisomerase I Antibody [NBP1-30482] - Whole cell lysate (50 ug) from NIH3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-TOP1 antibody used for WB at 0.1 ug/ml. Detection: chemiluminescence with an exposure time of 30 seconds.



Immunoprecipitation: Topoisomerase I Antibody [NBP1-30482] - Detection of human TOP1 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-TOP1 antibody NBP1-30482 (lot NBP1-30482-3) used for IP at 6 ug per reaction. TOP1 was also immunoprecipitated by a previous lot of this antibody (lot NBP1-30482-2). For blotting immunoprecipitated TOP1, NBP1-30482 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Publications

Chatzinikolaou G, Stratigi K, Siametis A et al. XPF interacts with TOP2B for R-loop processing and DNA looping on actively transcribed genes *Science advances* 2023-11-10 [PMID: 37939182] (WB, Mouse)

Chatzidoukaki O, Stratigi K, Goulielmaki E Et al. R-loops trigger the release of cytoplasmic ssDNAs leading to chronic inflammation upon DNA damage *Sci Adv* 2021-11-19 [PMID: 34797720] (WB, Mouse)

Details:

Citation using the DyLight 550 version of this antibody.

Chatzinikolaou G, Stratigi K, Agathangelou K ERCC1-XPF Interacts with Topoisomerase II beta to Facilitate the Repair of Activity-induced DNA Breaks *bioRxiv* 2020-01-01 (ICC/IF, WB, Mouse)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-30482

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00007150-Q01-10ug	Recombinant Human Topoisomerase I GST (N-Term) Protein

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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