

Product Datasheet

TERF2IP Antibody - BSA Free NB100-292

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB100-292

TERF2IP 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)

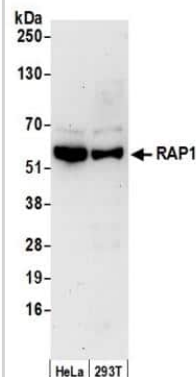
Product Description	
Description	Novus Biologicals Rabbit TERF2IP Antibody - BSA Free (NB100-292) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-TERF2IP Antibody: Cited in 21 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	54386
Gene Symbol	TERF2IP
Species	Human
Immunogen	Antibody was generated using recombinant full length human RAP1 (Telomeric repeat binding factor 2 interacting protein 1) according to entry NP_061848.2

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:5000, Immunohistochemistry 1:500 - 1:2:000, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 1:250 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:2:000
Application Notes	Epitope retrieval with Tris-EDTA pH9.0 is recommended for FFPE tissue sections. ICC/IF reactivity reported in scientific literature (PMID: 25271372).

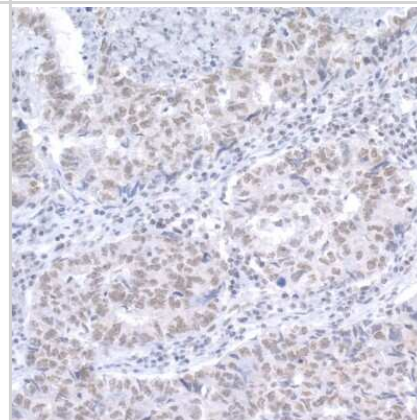


Images

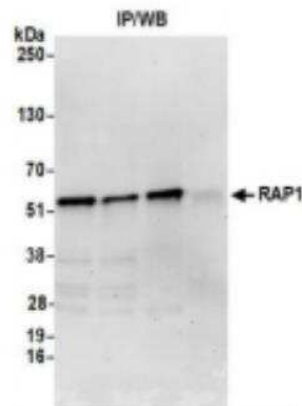
Western Blot: TERF2IP Antibody [NB100-292] - Detection of Human RAP1 by Western Blot. Samples: Whole cell lysate (15 ug) from HeLa and 293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-RAP1 antibody NB100-292 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Immunohistochemistry-Paraffin: TERF2IP Antibody [NB100-292] - Sections of human lung carcinoma.~~ Antibody: Affinity purified rabbit anti-RAP1 used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB



Immunoprecipitation: TERF2IP Antibody [NB100-292] - 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: Affinitypurified rabbit anti-RAP1 antibody used for IP at 6 ug per reaction. RAP1 was also immunoprecipitated by a previous lot of this antibody and rabbit anti-RAP1 antibody. For blotting immunoprecipitated RAP1, was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Publications

Janovič T, Perez G, Boelting G et al. TRF1 and TRF2 form distinct shelterin subcomplexes at telomeres. *Cell reports* 2025-08-23 [PMID: 40849907]

Nicole Bettin, Emmanuelle Querido, Irene Gialdini, Glenda Paola Grupelli, Elena Goretti, Marta Cantarelli, Marta Andolfato, Eslam Soror, Alessandra Sontacchi, Katarina Jurikova, Pascal Chartrand, Emilio Cusanelli TERRA transcripts localize at long telomeres to regulate telomerase access to chromosome ends *Science Advances* 2024-06-14 [PMID: 38865460]

Swanson MJ, Lewis KN, Carpenter R et al. The human RAP1 and GFAP β proteins increase β -secretase activity in a yeast model system G3 (Bethesda, Md.) 2023-03-17 [PMID: 36929840]

Savoca V, Rivosecchi J, Gaiatto A et al. TERRA stability is regulated by RALY and polyadenylation in a telomere-specific manner *Cell reports* 2023-04-14 [PMID: 37060569] (ICC/IF, IP, WB, FISH, Human)

Avogaro L, Querido E, Dalachi M et al. Live-cell imaging reveals the dynamics and function of single-telomere TERRA molecules in cancer cells. *RNA Biol* 2018-04-16 [PMID: 29658398] (Human)

Kocak H, Ballew BJ, Bisht K et al. Hoyeraal-Hreidarsson syndrome caused by a germline mutation in the TEL patch of the telomere protein TPP1. *Genes Dev.* 2014-10-01 [PMID: 25233904] (ICC/IF, Human)

Kocak H. Functional Analysis of ACD Mutations in Dyskeratosis Congenita Thesis. 2014-01-01 (ICC/IF, Human)

Schmidt JC, Dalby AB, Cech TR. Identification of human TERT elements necessary for telomerase recruitment to telomeres. *Elife.* 2014-11-03 [PMID: 25271372] (ICC/IF, Human)

Chen LY, Majerska J, Lingner J. Molecular basis of telomere syndrome caused by CTC1 mutations. *Genes Dev.* 2013-10-01 [PMID: 24115768] (ICC/IF, Human)

Kamranvar SA, Chen X, Masucci MG. Telomere dysfunction and activation of alternative lengthening of telomeres in B-lymphocytes infected by Epstein-Barr virus. *Oncogene.* 2013-05-27 [PMID: 23708666] (WB, Human)

Gu P, Min JN, Wang Y et al. CTC1 deletion results in defective telomere replication, leading to catastrophic telomere loss and stem cell exhaustion. *EMBO J* 2012-04-01 [PMID: 22531781]

Choi KH, Farrell AS, Lakamp AS et al. Characterization of the DNA binding specificity of Shelterin complexes. *Nucleic Acids Res.* 2011-11-01 [PMID: 21852327]

Details:
Tin2 (IMG-282) & POT1 (IMG-5343A). EMSA: HeLa cell line transfected with or without Flag-Tin2, Fig 4C.

More publications at <http://www.novusbio.com/NB100-292>



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Products Related to NB100-292

NBL1-16816	TERF2IP Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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