

Product Datasheet

TRA2A Antibody - Azide and BSA Free H00029896-B01P

Unit Size: 0.05 mg

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

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H00029896-B01P

TRA2A Antibody - Azide and BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH 7.4)

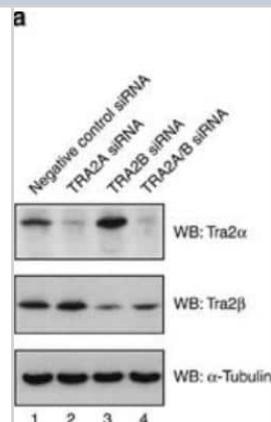
Product Description	
Description	Novus Biologicals Mouse TRA2A Antibody - Azide and BSA Free (H00029896-B01P) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-TRA2A Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	29896
Gene Symbol	TRA2A
Species	Human, Mouse
Specificity/Sensitivity	TRA2A - transformer-2 alpha,
Immunogen	TRA2A (AAH17094, 1 a.a. - 282 a.a.) full-length human protein. MSDVEENNFEGRSRSQSKSPTGTPARVKSESRSGSRSPSRVSKHSEHSRS RSKSRSRRRHSHRRYTRSRSHSHSHRRRRSRRSYTPYRRRRSRSHSPMS NRRRHTGSRANPDPNTCLGVFGLSLYTTERDLREVFSTRYGPLSGVNVVYDQR TGRSRGFAFVYFERIDDSKEAMERANGMELDGRRIRVDYSITKRAHTPTPGIYM GRPTHSGGGGGGGGGGGGGGGGGRRRDSYYDRGYDRGYDRYEDYDYRYRR RSPSPYYSRYRSRRSRSYSPPRY
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, Immunocytochemistry/ Immunofluorescence, Knockdown Validated
Application Notes	Antibody reactive against Recombinant Protein with GST tag on ELISA and Western Blot and also on transfected lysate in western blot. GST tag alone is used as a negative control. It is also useful for immunofluorescence.

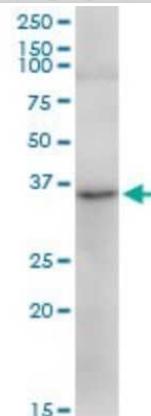


Images

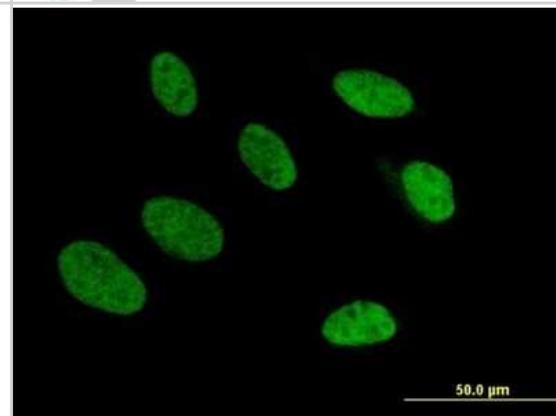
Western Blot: TRA2A Antibody [H00029896-B01P] - Western blot analysis showing depletion of TRA2B induces reciprocal upregulation of Tra2a protein expression, whereas depletion of TRA2A had minimal effect on Tra2b protein expression. Image collected and cropped by CiteAb from the following publication ([nature.com/articles/ncomms5760](https://www.nature.com/articles/ncomms5760)), licensed under a CC-BY license.



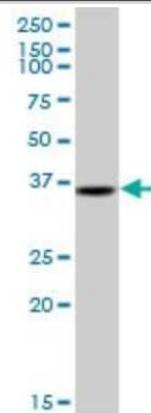
Western Blot: TRA2A Antibody [H00029896-B01P] - Analysis of TRA2A expression in NIH/3T3.



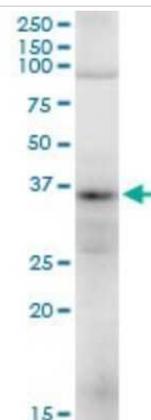
Immunocytochemistry/Immunofluorescence: TRA2A Antibody [H00029896-B01P] - Analysis of purified antibody to TRA2A on HeLa cell. (antibody concentration 10 ug/ml)



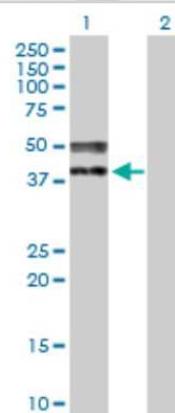
Western Blot: TRA2A Antibody [H00029896-B01P] - Analysis of TRA2A expression in HepG2 .



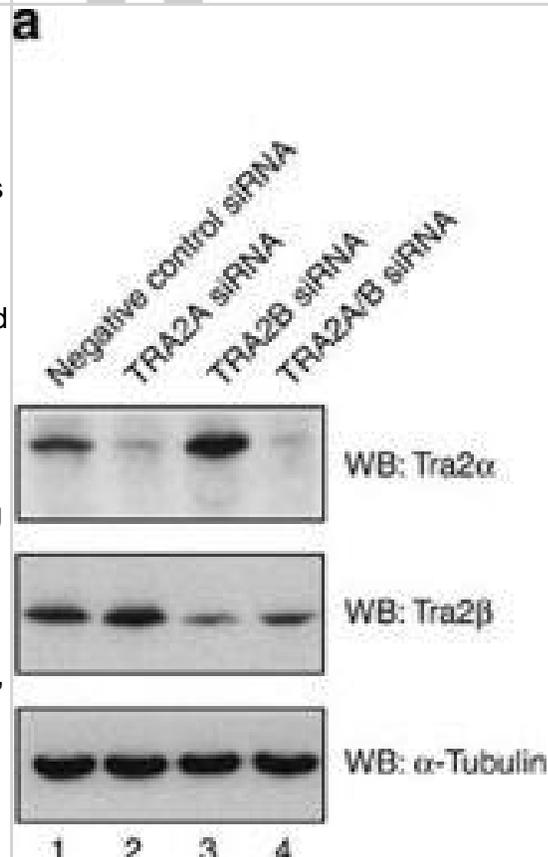
Western Blot: TRA2A Antibody [H00029896-B01P] - Analysis of TRA2A expression in Raw 264.7.



Western Blot: TRA2A Antibody [H00029896-B01P] - Analysis of TRA2A expression in transfected 293T cell line by TRA2A polyclonal antibody. Lane 1: TRA2A transfected lysate(31.13 KDa). Lane 2: Non-transfected lysate.



Tra2 β regulates Tra2 α protein expression. (a) Western blot analysis showing depletion of TRA2B induces reciprocal upregulation of Tra2 α protein expression, whereas depletion of TRA2A had minimal effect on Tra2 β protein expression. (b) Quantitation of cross-regulation between Tra2 α and Tra2 β at the protein level (Tra2 α and Tra2 β protein expression were quantified relative to α -Tubulin from three western blots using independent biological replicates). (c) Quantitation of cross-regulation between Tra2 α and Tra2 β at the RNA level from quantitative PCR analysis of three independent biological replicates in MDA-MB-231 cells. (d) Splicing inclusion of the TRA2A poison exon is strongly reduced by depletion of endogenous Tra2 β protein, whereas splicing inclusion of the TRA2B poison exon is less affected by depletion of Tra2 α protein. Splicing patterns were monitored by RT-PCR between flanking exons (arrowed) followed by capillary electrophoresis. (e) Screenshot from the UCSC genome browser³⁵ showing the TRA2B and TRA2A genes, and the positions of aligned RNA-seq reads (green peaks) and Tra2 β binding (orange clusters of significant cross-linking by Tra2 β protein identified by biological triplicate iCLIP experiments) in MDA-MB-231 cells. Probability (P) values were calculated using an independent two-sample t-test between negative control siRNA-treated cells and the gene-specific siRNA-treated cells (statistical significance shown as: *P<0.05, **P<0.01, ***P<0.0001). All data represented by bar charts was generated from three biological replicates and error bars represent the s.e.m. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/25208576>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Faraway R, Heaven N, Digby H et al. Collective homeostasis of condensation-prone proteins via their mRNAs. *Nature* 2025-09-24 [PMID: 40993389]

Best A, James K, Dalgliesh C et al. Human Tra2 proteins jointly control a CHEK1 splicing switch among alternative and constitutive target exons. *Nat Commun.* 2014-09-11 [PMID: 25208576]





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 H00029896-B01P

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]
NBP1-97019-5mg	Mouse IgG Isotype Control

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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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