Product Datasheet

RG9MTD1 Antibody - BSA Free
NBP1-83654

Unit Size: 0.1 ml

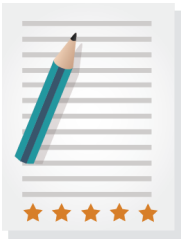
Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-83654

Updated 12/2/2025 v.20.1



NBP1-83654

RG9MTD1 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

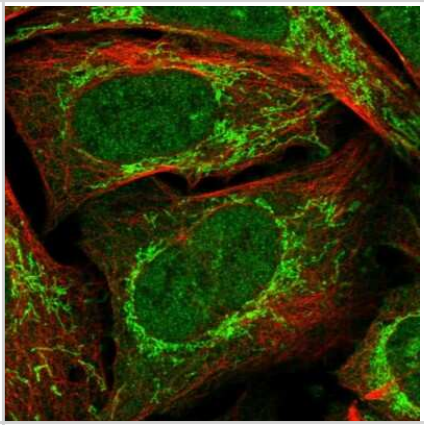
Description	Novus Biologicals Rabbit RG9MTD1 Antibody - BSA Free (NBP1-83654) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-RG9MTD1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	54931
Gene Symbol	TRMT10C
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SVSVNFFRPFTRFLVPFTLHRKRNNLTILQRYMSSKIPAVTYPKNESTPPSEELELDKWKTTMKSSVQEECVSTISSSKDEDPLAATR

Product Application Details

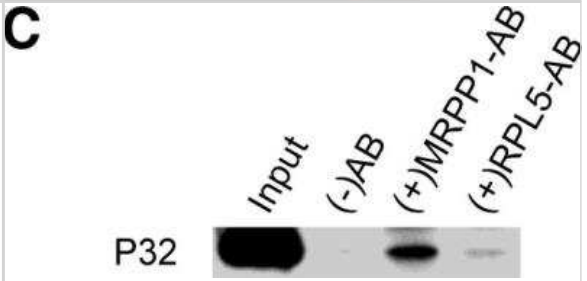
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50 - 1:200, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. Use in Immunoprecipitation reported in scientific literature (PMID 23990920)

Images

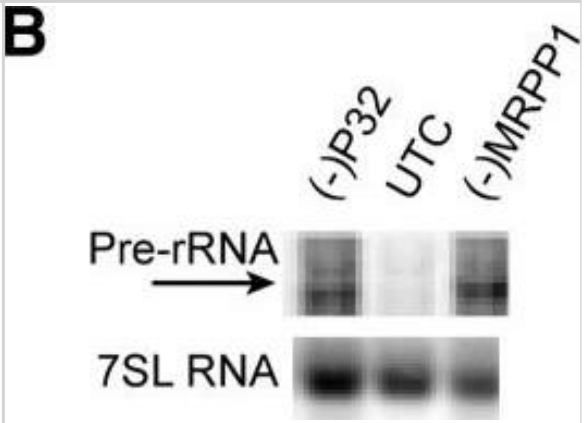
Immunocytochemistry/Immunofluorescence: RG9MTD1 Antibody [NBP1-83654] - Immunofluorescent staining of human cell line U-2 OS shows localization to nucleoplasm & mitochondria.



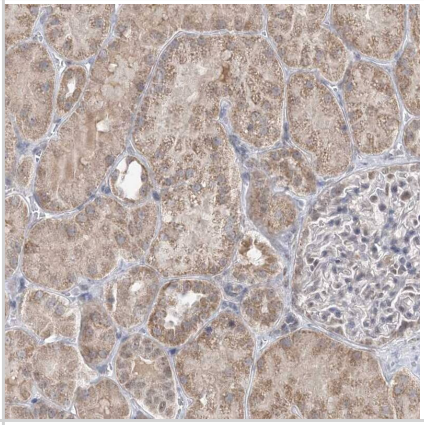
Immunoprecipitation: RG9MTD1 Antibody [NBP1-83654] - P32 can be co-immunoprecipitated with mitochondrial RNase P protein. Immunoprecipitation using MRPP1 antibody (RG9MTD1) or RPL5 antibody was performed as described in materials and methods. Co-isolated proteins were separated by SDS-PAGE, and P32 protein was determined by western analysis. (-) AB, control immunoprecipitation in the absence of antibody. Image collected and cropped by CiteAb from the following publication (https://dx.plos.org/10.1371/journal.pone.0071006), licensed under a CC-BY license.



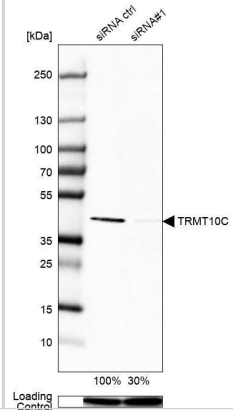
Immunoprecipitation: RG9MTD1 Antibody [NBP1-83654] - P32 can be co-immunoprecipitated with mitochondrial RNase P protein.(A) RT-PCR assay for the mRNA levels of P32 or MRPP1 in siRNA treated HeLa cells. The error bars represent standard deviation of three replicates. (B) Northern hybridization for mitochondrial pre-rRNA. Total RNA prepared from HeLa cells pre-treated for 24 hrs with P32 [(−)P32] or MRPP1 [(−)MRPP1] siRNAs was analyzed by northern hybridization, using probes specific to pre-rRNA, as in Figure 5.The same blot was re-probed for 7 SL RNA, which served as a loading control. (C) Immunoprecipitation using MRPP1 antibody (MRPP1-AB) or RPL5 antibody (RPL5-AB) was performed as described in materials & methods. Co-isolated proteins were separated by SDS-PAGE, & P32 protein was determined by western analysis. (−)AB, control immunoprecipitation in the absence of antibody. (D) DNase I treatment disrupted the P32-MRPP1 interaction. Immunoprecipitation was performed using MRPP1 antibody, as in panel C. After wash, the beads were incubated with either RNase A or DNase I, to elute bound materials. The eluted proteins were analyzed by western blots for the presence of P32 protein. Buffer, 1×TE buffer alone. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/23990920), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Staining of human kidney shows moderate granular cytoplasmic positivity in cells in tubules.



Analysis in A-431 cells) transfected with control siRNA, target specific siRNA probe #1, using Anti-TRMT10C antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



Publications

Wu H, Sun H, Liang X, Lima WF, Crooke ST. Human RNase H1 Is Associated with Protein P32 and Is Involved in Mitochondrial Pre-rRNA Processing. PLoS One. 2013-08-22 [PMID: 23990920] (IP, Human)

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 NBP1-83654

NBP1-83654PEP	RG9MTD1 Recombinant Protein Antigen
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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-83654

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications