

# Product Datasheet

## RNA Helicase A Antibody NB110-40579

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

**Reviews: 1   Publications: 7**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB110-40579](http://www.novusbio.com/NB110-40579)

Updated 10/23/2024 v.20.1

**Earn rewards for product  
reviews and publications.**

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NB110-40579](http://www.novusbio.com/reviews/destination/NB110-40579)



**NB110-40579****RNA Helicase A Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	TBS, 0.1% BSA

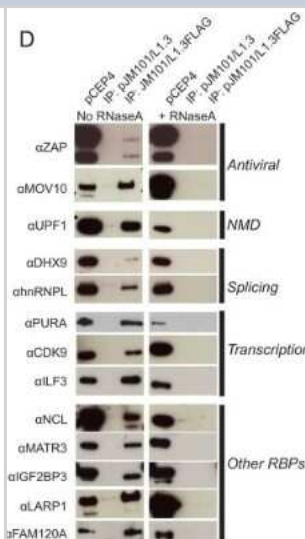
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	1660
<b>Gene Symbol</b>	DHX9
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 24270455).
<b>Immunogen</b>	The immunogen recognized by this antibody maps to a region between residue 1220 and the C-terminus (residue 1270) of human DEAH (Asp-Glu-Ala-His) Box Polypeptide 9 using the numbering given in entry CAA71668.1 (GeneID 1660).

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 1:2000-1:10000, Immunohistochemistry 1:100 - 1:500, Immunocytochemistry/ Immunofluorescence 1:50 - 1:500, Immunoprecipitation 2 -10 ug/mg lysate, Immunohistochemistry-Paraffin 1:100 - 1:500, Knockdown Validated
<b>Application Notes</b>	Use in ICC/IF reported in scientific literature (PMID 25951186). Use in Knockdown reported in scientific literature (PMID: 30111593). Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. This RNA Helicase A Antibody is validated for ICC/IF from a verified customer review.

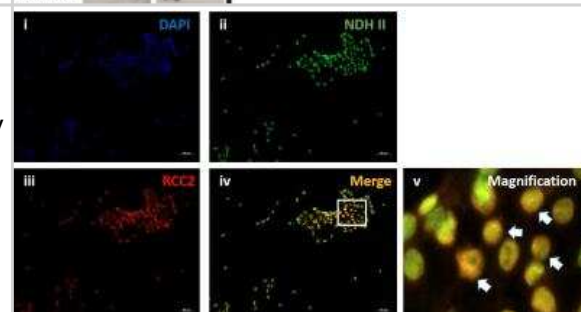


## Images

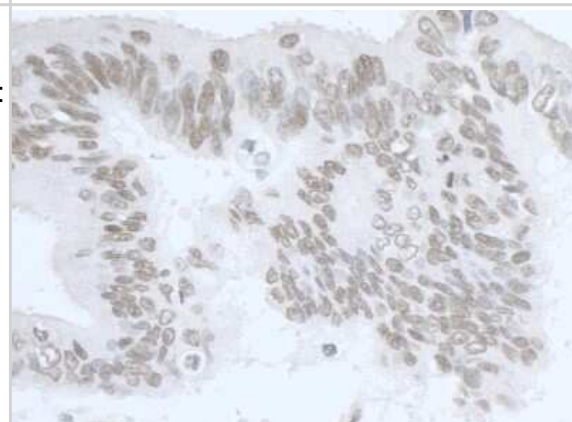
**Western Blot: RNA Helicase A Antibody [NB110-40579]** - The identification of host proteins immunoprecipitated with L1 ORF1p-FLAG. Validation of putative ORF1p-FLAG interacting proteins: Western blot images of the pJM101/L1.3FLAG and pJM101/L1.3 immunoprecipitation (IP) reactions. The pCEP4 lanes denote whole cell lysates derived from HeLa cells transfected with an empty pCEP4 vector (~ 1.0% input). Primary antibodies used to probe western blots are indicated to the left of the images (ahnrNPL (NBP1-67852), aILF3 (EPR3627), aLARP1 (NBP1-19128), aMATR3 (NB100-1761), aNCL (NB100-1920)). Immunoprecipitation reactions were conducted in either the absence (left) or presence (right) of RNaseA (10 ug/mL). The putative cellular functions of the ORF1p-FLAG interacting proteins are indicated on the right hand side of the blots. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pgen.1005121>), licensed under a CC-BY license.



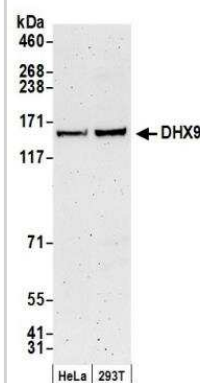
**Immunocytochemistry/Immunofluorescence: RNA Helicase A Antibody [NB110-40579]** - Immunocytochemistry of KYSE-30 cells to evaluate colocalization of RNA-helicase A (NDHII, green) and RCC2 (red). Colocalization signal is detected in nucleolus. ICC/IF image submitted by a verified customer review.



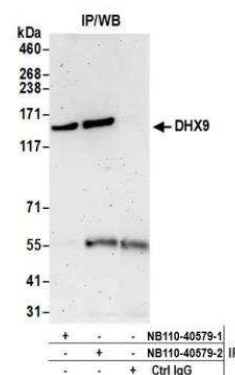
**Immunohistochemistry-Paraffin: RNA Helicase A Antibody [NB110-40579]** - FFPE section of human stomach carcinoma. Antibody: Affinity purified rabbit anti-DHX9 used at a dilution of 1:200 (1 ug/mL). Detection: DAB



**Western Blot: RNA Helicase A Antibody [NB110-40579]** - Detection of Human DHX9 by Western Blot. Whole cell lysate (50 ug) from HeLa and 293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-DHX9 antibody NB110-40579 used for WB at 0.1 ug/mL. Detection: Chemiluminescence with an exposure time of 3 minutes.



**Immunoprecipitation: RNA Helicase A Antibody [NB110-40579] -**  
**Detection of human DHX9 by Western blot of immunoprecipitates.** Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-DHX9 antibody NB110-40579 (lot NB110-40579-2) used for IP at 6 ug per reaction. DHX9 was also immunoprecipitated by a previous lot of this antibody NB110-40579-1. For blotting immunoprecipitated DHX9, NB110-40579 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



## Publications

Xia A, Yue Q, Zhu M et al. The cancer-testis lncRNA LINC01977 promotes HCC progression by interacting with RBM39 to prevent Notch2 ubiquitination Cell death discovery 2023-05-18 [PMID: 37198207] (RIP, Human)

Xia A, Yuan W, Wang Q et al. The cancer-testis lncRNA lnc-CTHCC promotes hepatocellular carcinogenesis by binding hnRNP K and activating YAP1 transcription Nature Cancer 2022-01-10 [PMID: 35122073] (RIP, Human)

Dempsey A, Keating SE, Carty M et al. Poxviral protein E3-altered cytokine production reveals that DExD/H-box helicase 9 controls Toll-like receptor-stimulated immune responses J. Biol. Chem. 2018-08-15 [PMID: 30111593] (WB, IP, KD, Human)

Moldovan JB, Moran JV. The Zinc-Finger Antiviral Protein ZAP Inhibits LINE and Alu Retrotransposition. PLoS Genet 2015-05-01 [PMID: 25951186] (WB, ICC/IF, Human)

Maxwell SS, Pelka GJ, Tam PP, El-Osta A. Chromatin context and ncRNA highlight targets of MeCP2 in brain. RNA Biol 2013-11-01 [PMID: 24270455] (Mouse)

Watashi K, Yeung ML, Starost MF et al. Identification of small molecules that suppress microRNA function and reverse tumorigenesis. J Biol Chem 2010-08-01 [PMID: 20529860]

Lawrence P, Rieder E. Identification of RNA helicase A as a new host factor in the replication cycle of foot-and-mouth disease virus. J Virol 2009-11-01 [PMID: 19710149]



### **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 NB110-40579**

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00001660-Q01-10ug	Recombinant Human RNA Helicase A 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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NB110-40579](http://www.novusbio.com/reviews/submit/NB110-40579)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

