

Product Datasheet

RNA Helicase A Antibody NB110-40579

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NB110-40579

RNA Helicase A Antibody

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

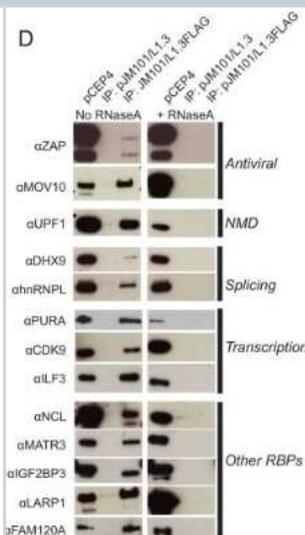
Product Description	
Host	Rabbit
Gene ID	1660
Gene Symbol	DHX9
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 24270455).
Immunogen	The immunogen recognized by this antibody maps to a region between residue 1220 and the C-terminus (residue 1270) of human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

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	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
Application Notes	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.

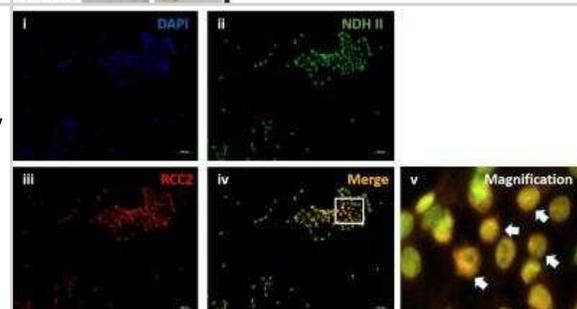


Images

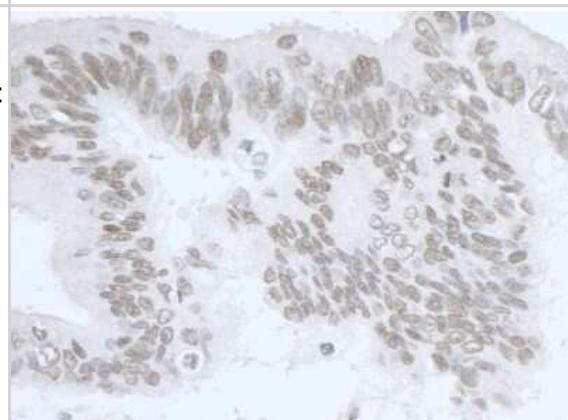
Western Blot: RNA Helicase A Antibody [NB110-40579] - The identification of host proteins immunoprecipitated with L1 ORF1p-FLAG. Validation of putative ORF1p-FLAG interacting proteins: Western blot images of the pJM101/L1.3FLAG and pJM101/L1.3 immunoprecipitation (IP) reactions. The pCEP4 lanes denote 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.



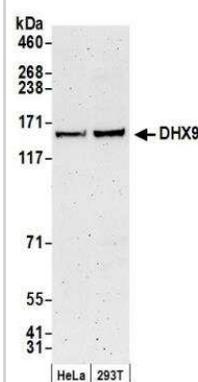
Immunocytochemistry/Immunofluorescence: RNA Helicase A Antibody [NB110-40579] - Immunocytochemistry of KYSE-30 cells to evaluate colocalization of RNA-helicase A (NDHII, green) and RCC2 (red). Colocalization signal is detected in nucleolus. ICC/IF image submitted by a verified customer review.



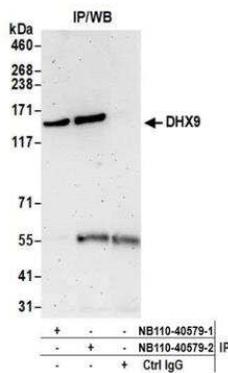
Immunohistochemistry-Paraffin: RNA Helicase A Antibody [NB110-40579] - FFPE section of human stomach carcinoma. Antibody: Affinity purified rabbit anti-DHX9 used at a dilution of 1:200 (1 ug/mL). Detection: DAB



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]



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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.

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