

Product Datasheet

DHX33 Antibody - BSA Free

NB100-2581

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB100-2581

DHX33 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)
Target Molecular Weight	79 kDa

Product Description

Description	Novus Biologicals Rabbit DHX33 Antibody - BSA Free (NB100-2581) is a polyclonal antibody validated for use in WB, ICC/IF and IP. Anti-DHX33 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	56919
Gene Symbol	DHX33
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in (PMID: 21930779).
Immunogen	The immunogen recognized by this antibody maps to a region between residue 650 and the C-terminus (residue 707) of human DEAH (Asp-Glu-Ala-His) Box Polypeptide 33 using the numbering given in entry NP_064547.2 (GeneID 56919).

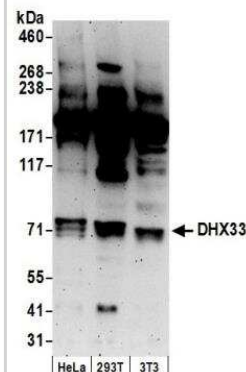
Product Application Details

Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunocytochemistry/ Immunofluorescence 1:10-1:2000, Immunoprecipitation 2-10 ug/mg lysate
Application Notes	ICC/IF reactivity reported in (PMID: 21930779).

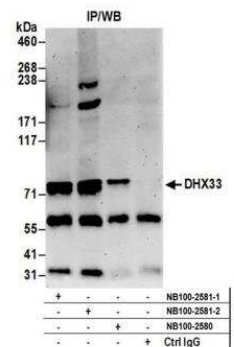


Images

Western Blot: DHX33 Antibody [NB100-2581] - Detection of Human and Mouse DHX33 by Western Blot. Samples: Whole cell lysate (50 ug) from HeLa, 293T, and mouse NIH3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-DHX33 antibody NB100-2581 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Immunoprecipitation: DHX33 Antibody [NB100-2581] - Detection of human DHX33 by western blot of immunoprecipitates. Samples: 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: Affinity purified rabbit anti-DHX33 antibody NB100-2581 (lot 2) used for IP at 6 ug per reaction. DHX33 was also immunoprecipitated by a previous lot of this antibody (lot 1) and rabbit anti-DHX33 antibody NB100-2580. For blotting immunoprecipitated DHX33, NB100-2581 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Publications

He X, Zhao J, Adilijiang A et al. Dhx33 promotes B-cell growth and proliferation by controlling activation-induced rRNA upregulation Cellular & molecular immunology 2023-01-11 [PMID: 36631557] (IP, Human)

Wang J, Yuan Z, Zhang Y. Alternative translation initiation from two in-frame start codons in DHX33 gene Biochem. Biophys. Res. Commun. 2018 Aug 25 [PMID: 29864424] (WB, Mouse)

Wang J, Yuan Z, Zhang Y. Alternative translation initiation from two in-frame start codons in DHX33 gene Biochem. Biophys. Res. Commun. 2018 Aug 25 [PMID: 29864424] (WB, Mouse)

Fraile JM, Campos-Iglesias D, Rodriguez F et al. Loss of the Deubiquitinase USP36 Destabilizes the RNA Helicase DHX33 and Causes Preimplantation Lethality in Mice. J. Biol. Chem. 2017-12-22 [PMID: 29273634] (WB, Mouse)

Zhang Y, You J, Wang X, Weber J. The DHX33 RNA helicase promotes mRNA translation initiation Mol. Cell. Biol. 2015-06-22 [PMID: 26100019] (WB, Human)

Weng L, Mitoma H, Tricot C et al. The E3 Ubiquitin Ligase Tripartite Motif 33 Is Essential for Cytosolic RNA-Induced NLRP3 Inflammasome Activation. J Immunol. 2014-10-01 [PMID: 25172487]

Mitoma H, Hanabuchi S, Kim T, et al. The DHX33 RNA Helicase Senses Cytosolic RNA and Activates the NLRP3 Inflammasome. Immunity 2013-07-25 [PMID: 23871209] (IP, Human)

Zhang Y, Forsys JT, Miceli AP et al. Identification of DHX33 as a mediator of rRNA synthesis and cell growth. Mol Cell Biol 2011-12-01 [PMID: 21930779] (ICC/IF, WB, Mouse, Human)



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Products Related to NB100-2581

NB800-PC1	HeLa Whole Cell 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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