

Product Datasheet

DDX41 Antibody (2F4) - Azide and BSA Free H00051428-M01

Unit Size: 0.1 mg

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

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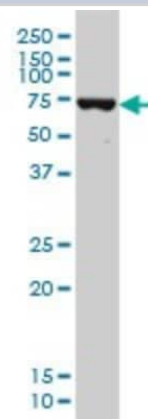
H00051428-M01

DDX41 Antibody (2F4) - Azide and BSA Free

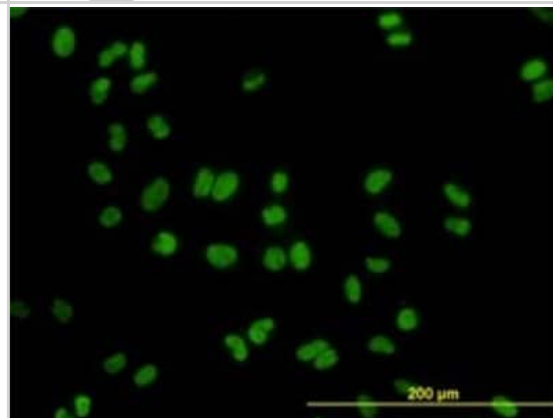
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2F4
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Novus Biologicals Mouse DDX41 Antibody (2F4) - Azide and BSA Free (H00051428-M01) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-DDX41 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	51428
Gene Symbol	DDX41
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 23142775)
Specificity/Sensitivity	DDX41 - DEAD (Asp-Glu-Ala-Asp) box polypeptide 41
Immunogen	DDX41 (NP_057306, 523 a.a. ~ 622 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. TGRSGNTGIATTFINKACDESVLMDLKALLLEAKQKVPVVLQVLHCGDESMLDI GGERGCAFCGGLGHRITDCPKLEAMQTKQVSNIGRKDYLAHSSMDF
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 1:10-1:2000
Application Notes	Antibody reactive against cell lysate, transfected lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence and ELISA.

Images

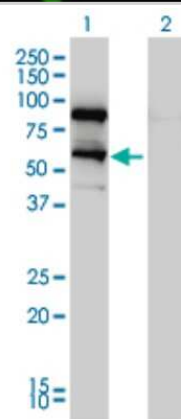
Western Blot: DDX41 Antibody (2F4) [H00051428-M01] - DDX41 monoclonal antibody (M01), clone 2F4 Analysis of DDX41 expression in HeLa S3 NE.



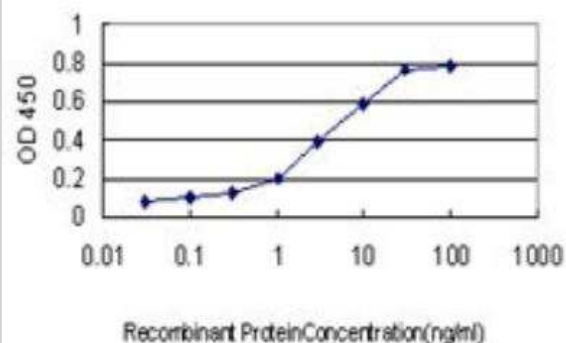
Immunocytochemistry/Immunofluorescence: DDX41 Antibody (2F4) [H00051428-M01] - Analysis of monoclonal antibody to DDX41 on HeLa cell. Antibody concentration 10 ug/ml.



Western Blot: DDX41 Antibody (2F4) [H00051428-M01] - Analysis of DDX41 expression in transfected 293T cell line by DDX41 monoclonal antibody (M01), clone 2F4. Lane 1: DDX41 transfected lysate (70 KDa). Lane 2: Non-transfected lysate.



ELISA: DDX41 Antibody (2F4) [H00051428-M01] - Detection limit for recombinant GST tagged DDX41 is approximately 0.3ng/ml as a capture antibody.



Publications

Kim JA, Shen S, Matson DR et al. Discriminating activities of DEAD-Box Helicase 41 from myeloid malignancy-associated germline variants by genetic rescue *Leukemia* 2022-11-08 [PMID: 36347925] (WB, Human)

Yoneyama-Hirozane M, Kondo M, Matsumoto SI et al. High-Throughput Screening to Identify Inhibitors of DEAD Box Helicase DDX41. *SLAS Discov* 2017-04-01 [PMID: 28426938]

Omura H, Oikawa D, Nakane T et al. Structural and Functional Analysis of DDX41: a bispecific immune receptor for DNA and cyclic dinucleotide. *Sci Rep* 2016-10-10 [PMID: 27721487]

Ma F, Li B, Liu SY et al. Positive Feedback Regulation of Type I IFN Production by the IFN-Inducible DNA Sensor cGAS *J. Immunol.* 2015-01-21 [PMID: 25609843] (WB)

Parvatiyar K, Zhang Z, Teles RM et al. The helicase DDX41 recognizes the bacterial secondary messengers cyclic di-GMP and cyclic di-AMP to activate a type I interferon immune response *Nat Immunol* 2012-12-01 [PMID: 23142775] (WB, ICC/IF, Mouse)

Zhang Z, Yuan B, Bao M et al. The helicase DDX41 senses intracellular DNA mediated by the adaptor STING in dendritic cells. *Nature Immunology.* 2011-09-04 [PMID: 21892174]





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 H00051428-M01

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]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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