

Product Datasheet

RNF111 Antibody (1C4) - Azide and BSA Free H00054778-M05

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 14

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00054778-M05

Updated 9/9/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/H00054778-M05



H00054778-M05

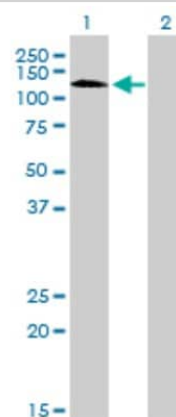
RNF111 Antibody (1C4) - Azide and BSA Free

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	1C4
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Novus Biologicals Mouse RNF111 Antibody (1C4) - Azide and BSA Free (H00054778-M05) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-RNF111 Antibody: Cited in 14 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	54778
Gene Symbol	RNF111
Species	Human
Specificity/Sensitivity	RNF111 - ring finger protein 111
Immunogen	RNF111 (NP_060080, 1 a.a. ~ 108 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MSQWTPEYNELYTLKVDKSEIPSDAPKTQESLKGILLHPEPIGAAKSFPAGVE MINSKVGNEFSHLCDDSQKQEKEMNGNQEQEKSLLVVRKKRKSQQAGPSYV QNC
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Knockdown Validated
Application Notes	Antibody reactive against recombinant protein for western blot. It has also been used for RNAi validation and ELISA.

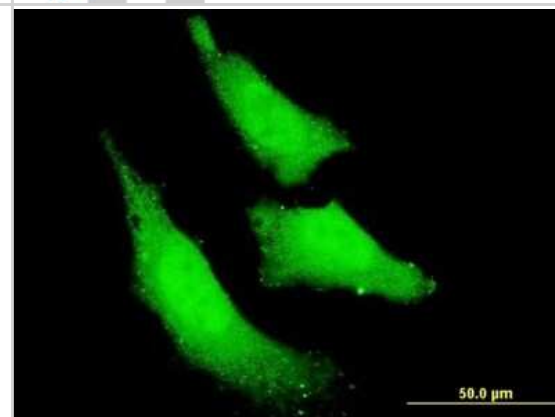


Images

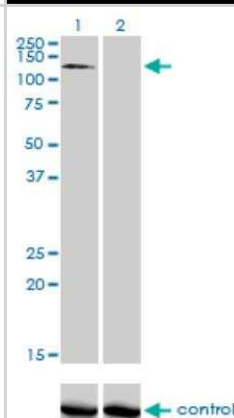
Western Blot: RNF111 Antibody (1C4) [H00054778-M05] - Analysis of RNF111 expression in transfected 293T cell line by RNF111 monoclonal antibody (M05), clone 1C4. Lane 1: RNF111 transfected lysate (107.8 KDa). Lane 2: Non-transfected lysate.



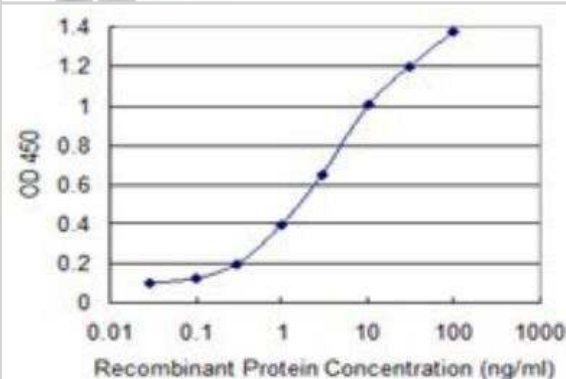
Immunocytochemistry/Immunofluorescence: RNF111 Antibody (1C4) [H00054778-M05] - Analysis of monoclonal antibody to RNF111 on HeLa cell. Antibody concentration 10 ug/ml



Western Blot: RNF111 Antibody (1C4) [H00054778-M05] - Western blot analysis of RNF111 over-expressed 293 cell line, cotransfected with RNF111 Validated Chimera RNAi or non-transfected control. Blot probed with H00054778-M05. GAPDH (36.1 kDa) used as loading control.



ELISA: RNF111 Antibody (1C4) [H00054778-M05] - Detection limit for recombinant GST tagged RNF111 is 0.03 ng/ml as a capture antibody.



Publications

Amhaz S, Boëda B, Chouchène M et al. The UAS thioredoxin-like domain of UBXN7 regulates E3 ubiquitin ligase activity of RNF111/Arkadia BMC biology 2023-04-07 [PMID: 37024974]

Y Sun, LM Miller Jen, YP Su, KC Nitiss, JL Nitiss, Y Pommier A conserved SUMO pathway repairs topoisomerase DNA-protein cross-links by engaging ubiquitin-mediated proteasomal degradation Sci Adv, 2020-11-13;6(46):. 2020-11-13 [PMID: 33188014]

Victor L, Florent D, Sadek A et al. Quantitative ubiquitylome analysis reveals specificity of RNF111/Arkadia E3 ubiquitin ligase for its degradative substrates SKI and SKIL/SnoN in TGF- β signaling pathway. Mol Cell Proteomics. 2021-11-03 [PMID: 34740826]

McIntosh DJ, Walters TS, Arinze IJ et al. Arkadia (RING Finger Protein 111) Mediates Sumoylation-Dependent Stabilization of Nrf2 Through K48-Linked Ubiquitination. Cell Physiol Biochem 2018-03-23 [PMID: 29597191]

Gonzalez-Prieto R, Cuijpers SA, Kumar R et al. c-Myc is targeted to the proteasome for degradation in a SUMOylation-dependent manner, regulated by PIAS1, SENP7 and RNF4. Cell Cycle 2015-01-01 [PMID: 25895136] (WB)

Nagano Y, Koinuma D, Miyazawa K, Miyazono K. Context-dependent regulation of the expression of c-Ski protein by Arkadia in human cancer cells. J Biochem. 2009-12-02 [PMID: 19959502]

Javelaud D, van Kempen L, Alexaki VI et al. Efficient TGF- β /SMAD signaling in human melanoma cells associated with high c-SKI/SnoN expression. Mol Cancer. 2011-01-06 [PMID: 21211030]

Koinuma D, Shinozaki M, Nagano Y et al. RB1CC1 positively regulates transforming growth factor- β signaling through the modulation of Arkadia E3 ubiquitin ligase activity. J Biol Chem. 2011-07-27 [PMID: 21795712]

Ma T, Chen Y, Zhang F et al. RNF111-Dependent Neddylation Activates DNA Damage-Induced Ubiquitination. Mol Cell. 2013-02-07 [PMID: 23394999]

Erker Y, Neyret-Kahn H, Seeler JS et al. Arkadia, a Novel SUMO-Targeted Ubiquitin Ligase Involved in PML Degradation. Mol Cell Biol. 2013-03-25 [PMID: 23530056]

Poulsen SL, Hansen RK, Wagner SA et al. RNF111/Arkadia is a SUMO-targeted ubiquitin ligase that facilitates the DNA damage response. J Cell Biol. 2013-06-10 [PMID: 23751493]

van Cuijk L, van Belle GJ, Turkyilmaz Y et al. SUMO and ubiquitin-dependent XPC exchange drives nucleotide excision repair. Nat Commun. 2015-07-07 [PMID: 26151477]

More publications at <http://www.novusbio.com/H00054778-M05>





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 H00054778-M05

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP1-94140PEP	RNF111 Recombinant Protein Antigen

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/H00054778-M05

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

