

Product Datasheet

Chromata ChIP Kit (ChIP) NBP1-71709

Unit Size: 30 Immunoprecipitations

Storage of components varies. See protocol for specific instructions.

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NBP1-71709**Chromata ChIP Kit (ChIP)****Product Information**

Unit Size	30 Immunoprecipitations
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.

Product Description

Description	This kit contains all the necessary components to perform 30 Immunoprecipitation experiments including a positive control antibody (NB21-1023SS) and PCR primers for negative and positive controls. This ChIP kit is a complete pack to help you perform Chromatin Immunoprecipitation efficiently and accurately.
Species	Human
Kit Components	10X Glycine (30 mL), IP Dilution Buffer (2 x 25 mL), H3 K4Me3 Positive Control Antibody (0.025 mg) - NB21-1023SS, Protein A/G Magnetic Beads (0.8 mL), IP Wash Buffer 1 (15 mL), IP Wash Buffer 2 (15 mL), IP Wash Buffer 3 (15 mL), IP Wash Buffer 4 (15 mL), IP Elution Buffer (7 mL), 5 M NaCl (1 mL), Purification Columns (30 EA), Proteinase K (0.06 mL), DNA Binding Buffer (18 mL), DNA Wash Buffer (5 mL - add 20 mL EtOH), DNA Elution Buffer (2 mL), Human RPL30 Positive Control Primer Pair at 10 uM (0.5 mL) - NBP1-71651, Human AFM Negative Control Primer Pair at 10 uM (0.5 mL) - NBP1-71653

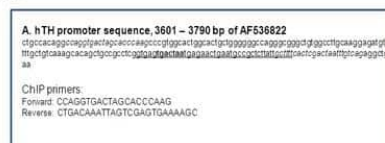
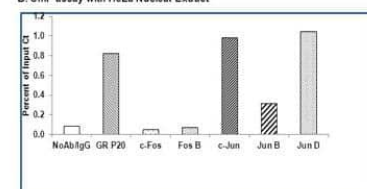
Product Application Details

Applications	Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Chromatin Immunoprecipitation (ChIP)

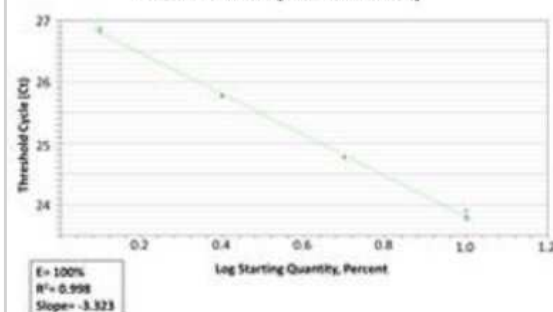
Images

Chromatin Immunoprecipitation: Chromata ChIP Kit [NBP1-71709] - ChIP analysis of HeLa Nuclear Extracts. Image from verified customer review.

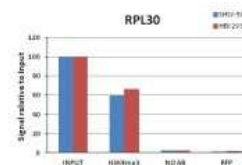
Fig. 9

**B. ChIP assay with HeLa Nuclear Extract**

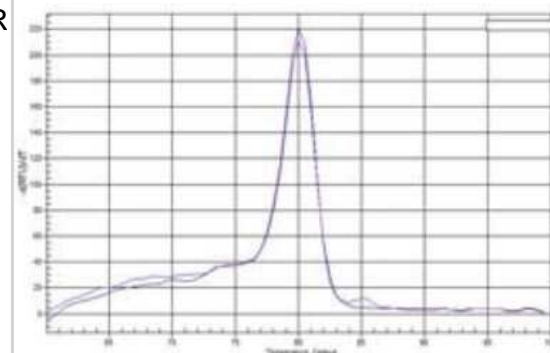
Chromatin Immunoprecipitation: Chromata ChIP Kit [NBP1-71709] - qRT-PCR standard curve generated from a serial dilution of sheared HeLa chromatin.

RPL30 Primer Set (Cat# NBP1-71651)

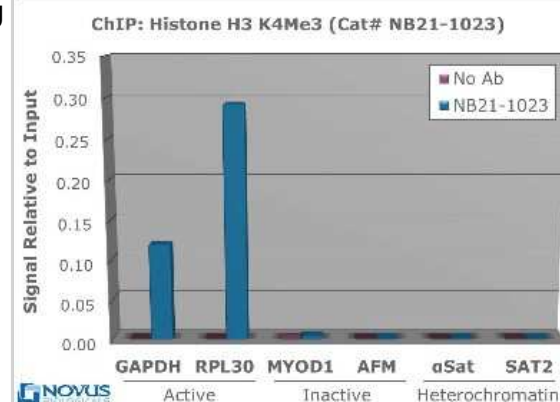
Chromatin Immunoprecipitation: Chromata ChIP Kit [NBP1-71709] - ChIP analysis of HEK293 and SH-SY5Y cells. Image from verified customer review.



Chromatin Immunoprecipitation: Chromata ChIP Kit [NBP1-71709] - PCR product melt curve of 1% chromatin immunoprecipitation input sample run in duplicate.



Chromatin Immunoprecipitation: Chromata ChIP Kit [NBP1-71709] - 2 ug of NB21-1023 was used to IP DNA from fixed HeLa cells alongside a no antibody (No Ab) control. DNA was measured by qRT-PCR and normalized to total input (input=1).



Publications

Xiaofeng Zhou, Ziyi Yan, Jinghan Hou, Lichen Zhang, Zhen Chen, Can Gao, Nor Hazwani Ahmad, Mingzhou Guo, Weilong Wang, Tao Han, Tingmin Chang, Xiaohong Kang, Lidong Wang, Yinming Li The Hippo-YAP signaling pathway drives CD24-mediated immune evasion in esophageal squamous cell carcinoma via macrophage phagocytosis *Oncogene* 2024-01-02 [PMID: 38168654]

Yan Z, Hou J, Zhang L et al. The Hippo-YAP signaling pathway drives CD24-mediated immune evasion in esophageal squamous cell carcinoma via macrophage phagocytosis *Research Square* 2023-06-26

Ziyatdinova S, Viswanathan J, Hiltunen M, Tanila H. Reduction of Epileptiform Activity by Valproic Acid in a Mouse Model of Alzheimer's Disease is not Long-lasting after Treatment Discontinuation *Epilepsy Res* 2015-04-08 [PMID: 25847338]

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D'Aiuto L, Bloom DC, Naciri JN et al. Modeling HSV-1 infections in human CNS neuronal cells using two-dimensional and three-dimensional cultures derived from induced pluripotent stem cells *J. Virol.* 2019-02-20 [PMID: 30787148] (Chemotaxis)

D'Aiuto L, McNulty J, Hartline C et al. R430: A potent inhibitor of DNA and RNA viruses. *Sci Rep.* 2018-11-09 [PMID: 30413769] (Chemotaxis)

Yu HC, Hung MH, Chen YL et al. Erlotinib derivative inhibits hepatocellular carcinoma by targeting CIP2A to reactivate protein phosphatase 2A *Cell Death Dis* 2014-08-01 [PMID: 25077545] (Chemotaxis)

Sheela Rani CS, Soto-Pina A, Iacovitti L, Strong R. Evolutionary conservation of an atypical glucocorticoid-responsive element in the Human tyrosine hydroxylase gene. *J Neurochem* 2013-05-07 [PMID: 23647419] (Chemotaxis, Human)

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Fishman J, Homon A, Lamsa E et al. The Complete Chemical Synthesis of Histones H3 and H4 Containing Epigenetic Modifications and Their Use in Characterizing Arginine Methylated Histone Antibodies. Poster presented at ASCB. 21st Century Biochemicals, Marlborough, MA 01752, Novus Biologicals, LLC, 8100 Southpark Way, Littleton, CO 80120.





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

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