

Product Datasheet

Chromata ChIP Histone H3 [Dimethyl Lys9] Kit (ChIP) NBP1-71712

Unit Size: 25 Immunoprecipitations

Storage of components varies. See protocol for specific instructions.

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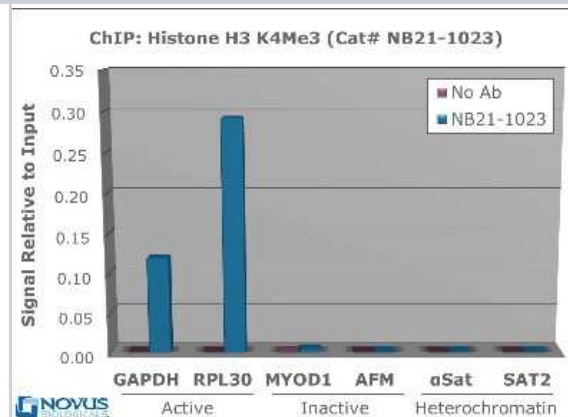
NBP1-71712**Chromata ChIP Histone H3 [Dimethyl Lys9] Kit (ChIP)**

Product Information	
Unit Size	25 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	<p>This ChIP kit is specific for Histone H3 dimethyl Lysine 9, and contains all the necessary components to perform 25 Immunoprecipitation experiments and a positive control antibody (NB21-1023SS). This ChIP kit is a complete pack to help you perform Chromatin Immunoprecipitation efficiently and accurately.</p> <p>This kit includes a full size vial of H3 Dimethyl Lys9 antibody (NB21-1072).</p>
Kit Components	10X Glycine (30 mL), IP Dilution Buffer (2 x 25 mL), 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), 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), H3 Dimethyl Lys9 Antibody (0.05 mg) - NB21-1072, H3 K4Me3 Positive Control Antibody (0.025 mg) - NBP1-71651, 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, 5M NaCl (1 mL)
Product Application Details	
Applications	Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Chromatin Immunoprecipitation (ChIP)

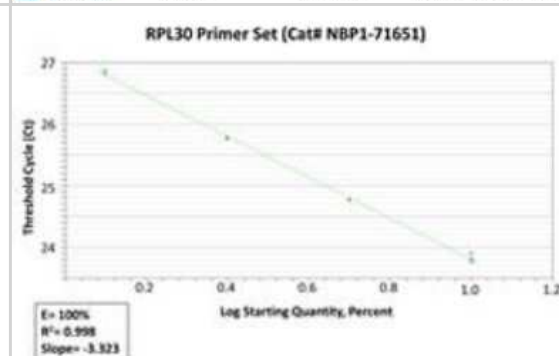


Images

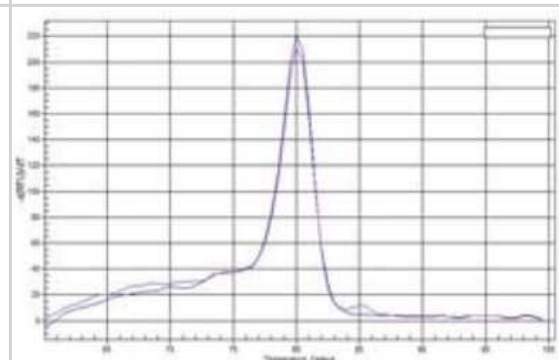
Chromatin Immunoprecipitation: Chromata ChIP Histone H3 [Dimethyl Lys9] ChIP Kit [NBP1-71712] - Chromata ChIP Histone H3 [Dimethyl Lys9] Kit [NBP1-71712] - 2 ug of NB21-1023 was used to IP DNA from fixed HeLa cells alongside a no antibody (No Ab) control. DNA was measured by qRT-PCR and normalized to total input (input=1).



Chromatin Immunoprecipitation: Chromata ChIP Histone H3 [Dimethyl Lys9] ChIP Kit [NBP1-71712] - Chromata ChIP Histone H3 [Dimethyl Lys9] Kit [NBP1-71712] - qRT-PCR standard curve generated from a serial dilution of sheared HeLa cell chromatin.



Chromatin Immunoprecipitation: Chromata ChIP Histone H3 [Dimethyl Lys9] Kit [NBP1-71712] - PCR product melt curve of 1% chromatin immunoprecipitation input sample run in duplicate.



Publications

Noto PB, Bukhtiyarov Y, Meng S et al. Regulation of Sphingomyelin Phosphodiesterase, Acid-like 3A Gene (SMPDL3A) by Liver X Receptors Mol Pharmacol 2012-07-24 [PMID: 22810003] (Chemotaxis)

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.



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