

# Product Datasheet

## Histone H3 [ac Lys9] Antibody (AH3-120) - BSA Free NB120-12179

Unit Size: 0.05 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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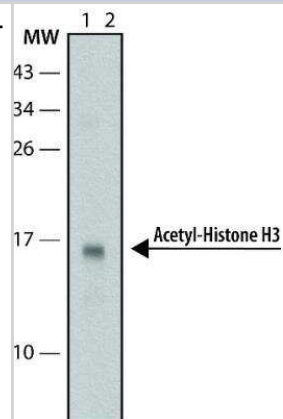
**NB120-12179**

Histone H3 [ac Lys9] Antibody (AH3-120) - BSA Free

Product Information	
Unit Size	0.05 ml
Concentration	2.1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	AH3-120
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	10 mM PBS (pH 7.4)
Target Molecular Weight	17 kDa
Product Description	
Host	Mouse
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Mouse, Rat, Bovine, C. elegans, Chicken, Drosophila, Xenopus
Reactivity Notes	Cross-reacts with Human. Expected to cross-react with Mouse, Rat, Xenopus laevis, Cow, a wide range of other species, C. elegans, Chicken and Drosophila melanogaster due to very high or perfect sequence identity across many species. Not yet tested in other species. Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Immunogen	This Histone H3 [ac Lys9] antibody (AH3-120) was raised against a synthetic, acetylated histone H3 peptide (amino acids 7-20, acetyl K9) corresponding to the N-terminus of human histone H3, conjugated to KLH.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Microarray
Recommended Dilutions	Western Blot 1 - 2 ug/mL, ELISA 1:100 - 1:2000, Immunocytochemistry/ Immunofluorescence 1:10 - 1:2000, Microarray
Application Notes	WB: Detects a band of approximately 17 kDa (determined using a whole cell extract of mouse fibroblasts 3T3 cell line treated with sodium butyrate). We advise you to centrifuge this product vial before use. ELISA: indirect. Staining of (acetyl K9) histone H3 in WB is specifically inhibited with the immunizing peptide. There is no inhibition with non-acetylated histone H3 peptide.

## Images

Western Blot: Histone H3 [ac Lys9] Antibody (AH3-120) [NB120-12179] - Histone fraction isolated from HeLa cells was separated on SDS-PAGE and probed with Monoclonal Anti-acetyl-Histone H3 (Ac-Lys9) Clone: AH3-120. The antibody was developed using Goat Anti-Mouse IgG-Peroxidase and a chemiluminescent substrate. Observed molecular weight is ~16 kDa



## Publications

Halbert D, Domyenyuk V, Spetzler D et al. Aptamers and uses thereof United States Patent Application US 9958448 B2 2018-01-01



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### **Products Related to NB120-12179**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB21-1002PEP	Histone H3 [Asym-dimethyl Arg2] Antibody Blocking Peptide

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### **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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