

# Product Datasheet

## Histone H3 [Asym-dimethyl Arg9] Antibody - BSA Free NBP2-44066

Unit Size: 0.05 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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Updated 2/23/2025 v.20.1

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**NBP2-44066**

Histone H3 [Asym-dimethyl Arg9] Antibody - BSA Free

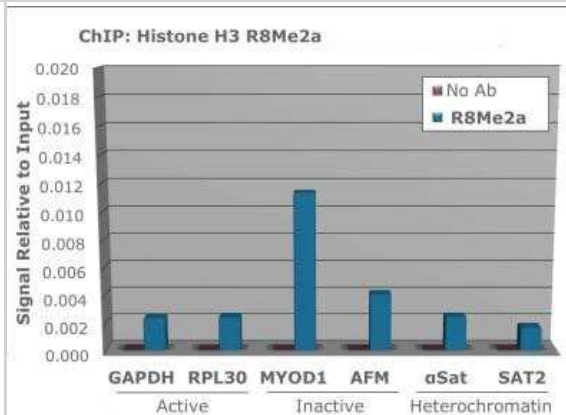
Product Information	
<b>Unit Size</b>	0.05 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 30% Glycerol

Product Description	
<b>Description</b>	<p>This antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
<b>Host</b>	Rabbit
<b>Gene ID</b>	126961
<b>Gene Symbol</b>	H3C14
<b>Species</b>	Human, Mouse, C. elegans
<b>Reactivity Notes</b>	Predicted to react with many species including rat, chicken, Xenopus, Drosophila, and plant based on 100% sequence homology. Cross-reactivity with Histone H3 from other sources has not been determined
<b>Immunogen</b>	Histone H3 [Asym-dimethyl Arg9] Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic dimethylated peptide surrounding Arginine 8 of human Histone H3.2. (Uniprot: Q71DI3)

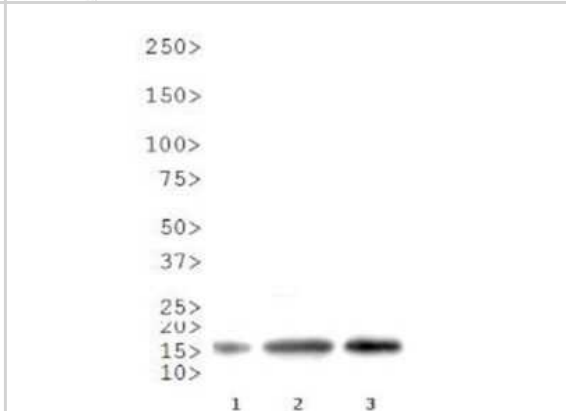
Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP)
<b>Recommended Dilutions</b>	Western Blot 1:500, Immunohistochemistry 1:200, Immunocytochemistry/ Immunofluorescence 1:200, Chromatin Immunoprecipitation (ChIP) 2-5ug/million cells
<b>Application Notes</b>	This product is tested for Western Blot, Immunocytochemistry, Immunofluorescence, Chromatin Immunoprecipitation, and Dot Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~15.4 kDa corresponding to Histone H3 protein by Western Blotting in HeLa histone prep lysate or the appropriate cell lysate or extract. Epi-Plus(TM) antibody production in collaboration with Novus Biologicals.

## Images

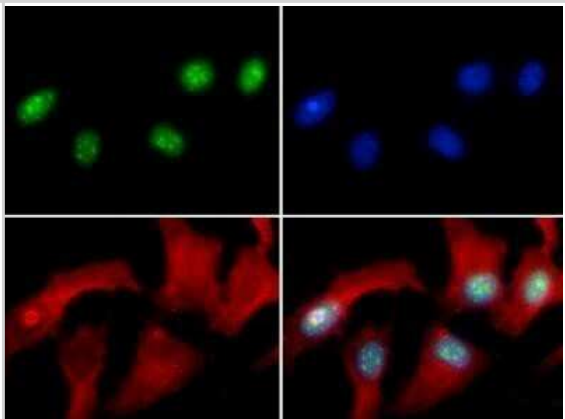
**Chromatin Immunoprecipitation: Histone H3 [Asym-dimethyl Arg9] Antibody [NBP2-44066]** - Chromatin from one million formaldehyde cross-linked HeLa cells was used with 2ug of Anti-Histone H3 R8me2a and 20ul of magnetic IgG beads per immunoprecipitation. A no antibody (No Ab) control was also used. Immunoprecipitated DNA was quantified using quantitative real-time PCR and SYBR green dye, then normalized to the non-precipitated input chromatin, which is equal to one.



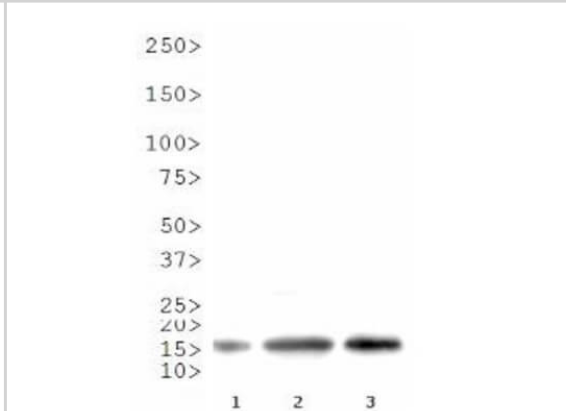
**Western Blot: Histone H3 [Asym-dimethyl Arg9] Antibody [NBP2-44066]** - lane 1: HeLa Histone Prep Lysate. 2. NIH-3T3 Prep Lysate. Lane 3: C. elegans embryo lysate. Load: 30 Ug per lane. Observed molecular weight is ~16 kDa.



**Immunocytochemistry/Immunofluorescence: Histone H3 [Asym-dimethyl Arg9] Antibody [NBP2-44066]** - Tissue: HeLa cells. Fixation: 0.5% PFA. Antigen retrieval: Not required.



**Western Blot of Rabbit Anti-Histone H3 [Asym-dimethyl Arg9] Antibody**. Lane 1: HeLa Histone Prep Lysate. 2. NIH-3T3 Prep Lysate. Lane 3: C. elegans embryo lysate. Load: 30 ug per lane. Primary antibody: Histone H3 [Asym-dimethyl Arg9] Antibody at 1:500 for overnight at 4C. Secondary antibody: IRDye800(TM) rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4C. Predicted/Observed size: ~15 kDa. Other band(s): None.





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### **Products Related to NBP2-44066**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB21-1024PEP	Histone H3 [ac Lys4] 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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