

# Product Datasheet

## Histone H3 [ac Lys27] Antibody (2V10N10) NBP3-15933-100ul

Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

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**NBP3-15933-100ul**

Histone H3 [ac Lys27] Antibody (2V10N10)

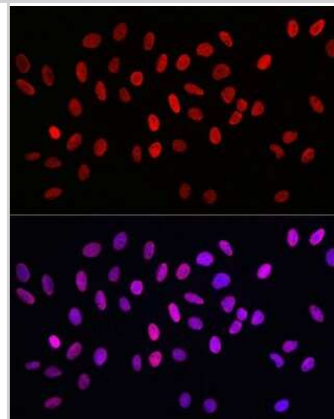
Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2V10N10
Preservative	0.05% Proclin 300
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, 0.05% BSA, 50% glycerol, pH7.3

Product Description	
Host	Rabbit
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Mouse, Rat
Reactivity Notes	Other (Wide Range Predicted)
Immunogen	A synthetic acetylated peptide around K27 of human Histone H3 (P68431). MARTKQTARKSTGGKAPRKQLATKAARKSAPATGGVKKPHRYRPGTVALREI RRYQKSTELLIRKLPFQRLVREIAQDFKTDLRFQSSAVMALQEACEAY

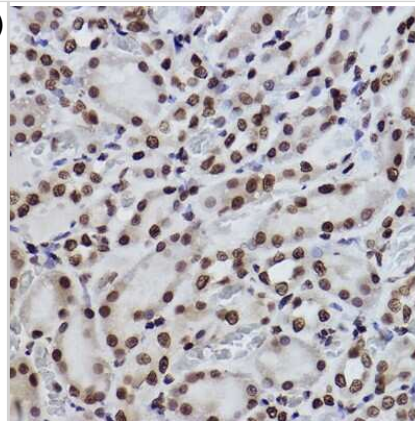
Product Application Details	
Applications	Western Blot, Dot Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:500 - 1:2000, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 1:50 - 1:200, Immunoprecipitation 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells, Immunohistochemistry-Paraffin 1:50 - 1:200, Dot Blot 1:500 - 1:2000, Chromatin Immunoprecipitation (ChIP) 1:50 - 1:200

**Images**

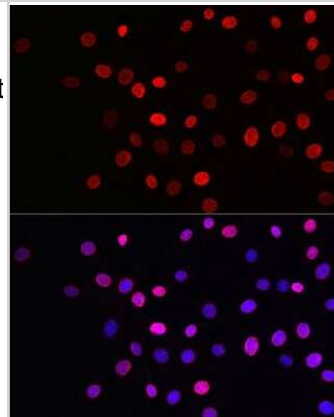
Immunocytochemistry/Immunofluorescence: Histone H3 [ac Lys27] Antibody (8V6Q6) [NBP3-15933] - Immunofluorescence analysis of U2OS cells using Acetyl-Histone H3-K27 Rabbit mAb (NBP3-15933) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



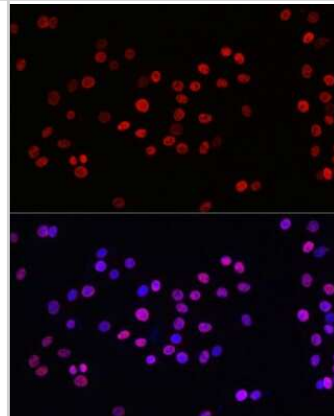
Immunohistochemistry-Paraffin: Histone H3 [ac Lys27] Antibody (8V6Q6) [NBP3-15933] - Immunohistochemistry of paraffin-embedded rat kidney using Acetyl-Histone H3-K27 Rabbit mAb (NBP3-15933) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



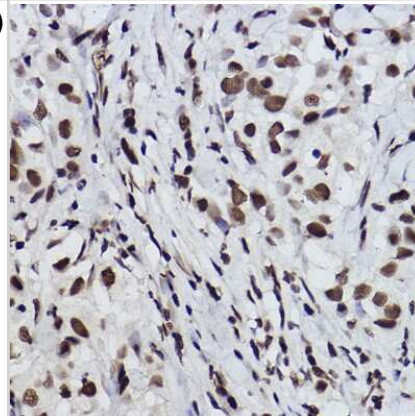
Immunocytochemistry/Immunofluorescence: Histone H3 [ac Lys27] Antibody (8V6Q6) [NBP3-15933] - Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H3-K27 Rabbit mAb (NBP3-15933) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



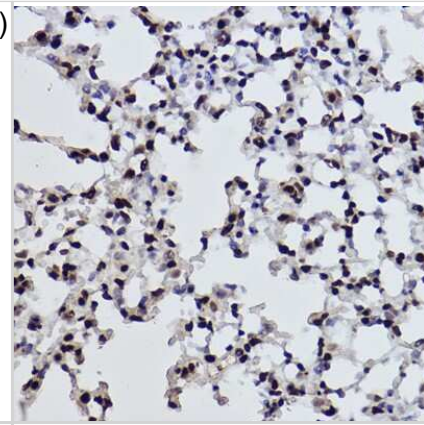
Immunocytochemistry/Immunofluorescence: Histone H3 [ac Lys27] Antibody (8V6Q6) [NBP3-15933] - Immunofluorescence analysis of PC-12 cells using Acetyl-Histone H3-K27 Rabbit mAb (NBP3-15933) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



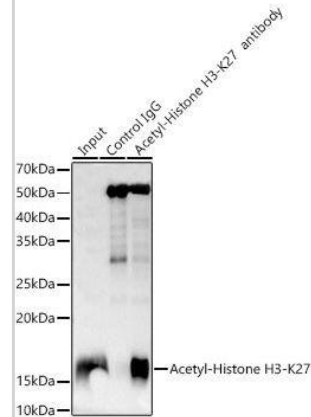
Immunohistochemistry-Paraffin: Histone H3 [ac Lys27] Antibody (8V6Q6) [NBP3-15933] - Immunohistochemistry of paraffin-embedded human breast cancer using Acetyl-Histone H3-K27 Rabbit mAb (NBP3-15933) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



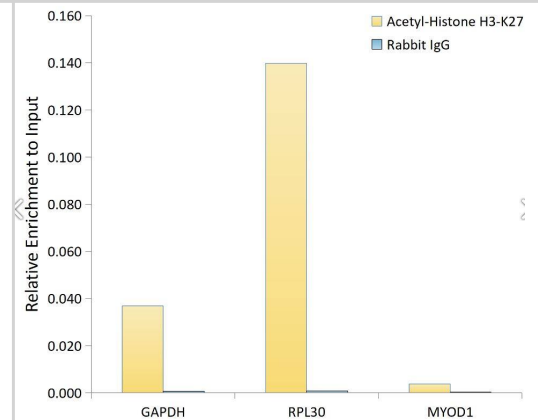
Immunohistochemistry-Paraffin: Histone H3 [ac Lys27] Antibody (8V6Q6) [NBP3-15933] - Immunohistochemistry of paraffin-embedded mouse lung using Acetyl-Histone H3-K27 Rabbit mAb (NBP3-15933) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



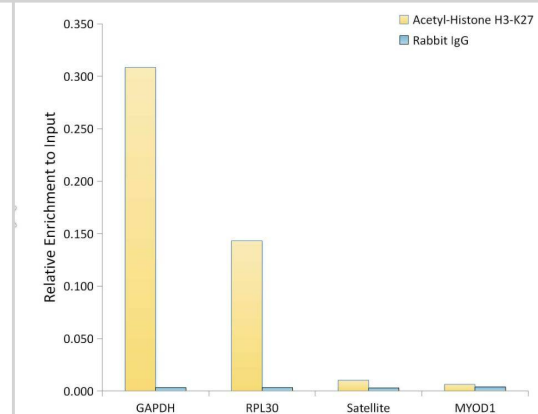
Immunoprecipitation: Histone H3 [ac Lys27] Antibody-Histone H3 [ac Lys27] Antibody (2V10N10)-[NBP3-15933] -



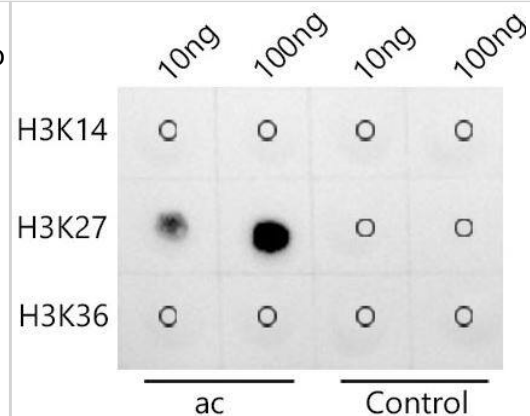
Chromatin Immunoprecipitation: Histone H3 [ac Lys27] Antibody (2V10N10)- [NBP3-15933] - Analysis of extracts of HeLa cells, using Acetyl-Histone H3-K27 antibody and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



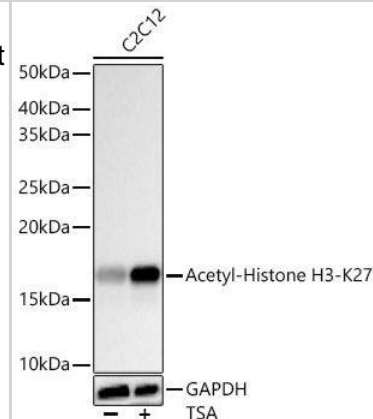
Chromatin Immunoprecipitation: Histone H3 [ac Lys27] Antibody (2V10N10)- [NBP3-15933] - Analysis of extracts of HeLa cells, using Acetyl-Histone H3-K27 antibody and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



Dot Blot-Histone H3 [ac Lys27] Antibody (2V10N10)-NBP3-15933-  
Analysis of all sorts of peptides using Acetyl-Histone H3-K27 Rabbit mAb  
at 1:200000 dilution.



Western Blot: -Histone H3 [ac Lys27] Antibody (2V10N10)-NBP3-15933-  
analysis of lysates from C2C12 cells using Acetyl-Histone H3-K27 Rabbit  
mAb at 1:100000 dilution. C2C12 cells were treated by TSA (1  $\mu$ M) at  
37 $^{\circ}$ C for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L)  
at 1:10000 dilution. Lysates/proteins: 20  $\mu$ g per lane. Blocking buffer: 3%  
nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.





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### **Products Related to NBP3-15933-100ul**

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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
NB21-1251PEP	Histone H3 [Monomethyl Lys36] 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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