

Product Datasheet

Histone H4 [ac Lys8] Antibody NBP2-42863

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-42863

Histone H4 [ac Lys8] Antibody

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol, 1% BSA

Product Description

Host	Rabbit
Gene ID	121504
Gene Symbol	H4C16
Species	Human, Mouse, Rat
Immunogen	Carrier-protein conjugated synthetic peptide surrounding acetyl Lys8 of human Histone H4. The exact sequence is proprietary.

Product Application Details

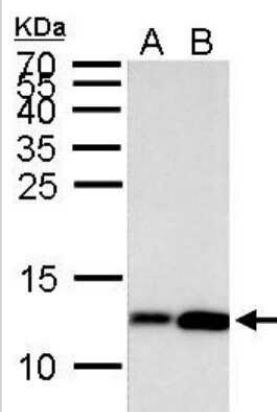
Applications	Western Blot, Dot Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:1000-1:10000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:5000, Immunohistochemistry-Paraffin 1:100-1:1000, Dot Blot, Immunohistochemistry Free-Floating, Chromatin Immunoprecipitation (ChIP)

Images

Western Blot: Histone H4 [ac Lys8] Antibody [NBP2-42863] - Analysis of:

A. 30 ug HeLa whole cell lysate/extract (0.012% DMSO treatment for 18 hr)

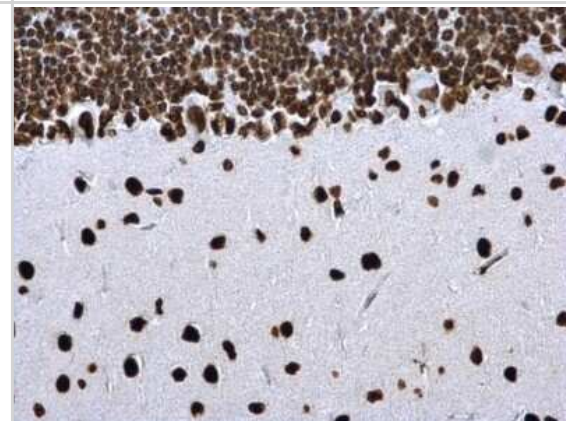
B. 30 ug HeLa whole cell lysate/extract (0.4 uM Trichostatin A treatment for 18 hr) 15 % SDS-PAGE Histone H4 (acetyl Lys8).



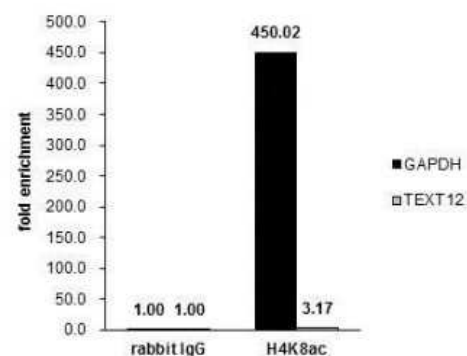
Immunocytochemistry/Immunofluorescence: Histone H4 [ac Lys8] Antibody [NBP2-42863] - Analysis of HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Histone H4 (acetyl Lys8) protein stained by Histone H4 (acetyl Lys8) antibody diluted at 1:500. Red: alpha Tubulin antibody [114], a cytoskeleton marker, stained by diluted at 1:500. Blue: Hoechst 33342 staining.



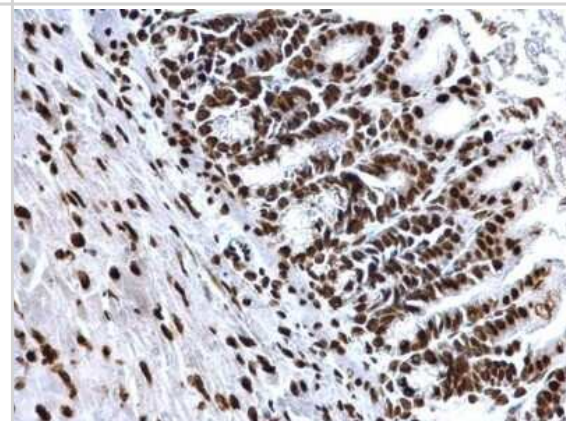
Immunohistochemistry-Paraffin: Histone H4 [ac Lys8] Antibody [NBP2-42863] - Analysis of rat hind brain. Histone H4K8ac (acetyl Lys8) antibody dilution: 1:500.



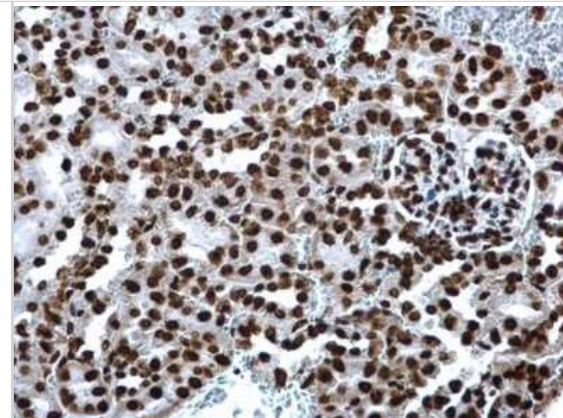
Chromatin Immunoprecipitation: Histone H4 [ac Lys8] Antibody [NBP2-42863] - Cross-linked ChIP was performed with HeLa chromatin extract treated with Trichostatin A (0.4 μ M for 18 h) and 5 μ g of either control rabbit IgG or anti-Histone H4K8ac (acetyl Lys8) antibody. The precipitated DNA was detected by PCR with primer set targeting to GAPDH or TEXT12.



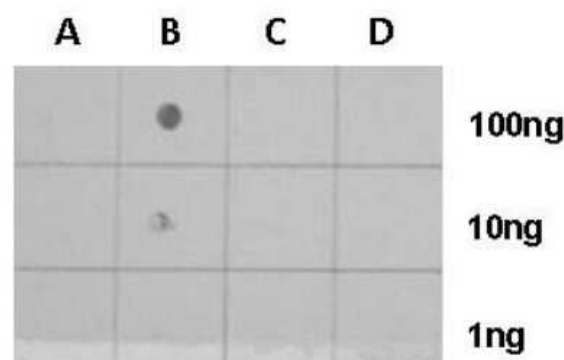
Immunohistochemistry-Paraffin: Histone H4 [ac Lys8] Antibody [NBP2-42863] - Analysis of mouse duodenum. Histone H4K8ac (acetyl Lys8) antibody dilution: 1:500.



Immunohistochemistry-Paraffin: Histone H4 [ac Lys8] Antibody [NBP2-42863] - Analysis of mouse kidney. Histone H4K8ac (acetyl Lys8) antibody dilution: 1:500.

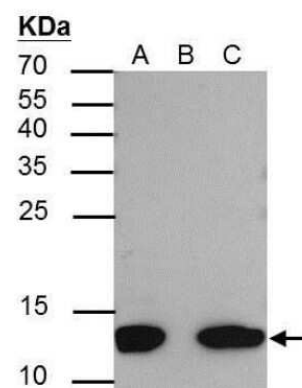


Dot Blot: Histone H4 [ac Lys8] Antibody [NBP2-42863] - Analysis of anti-Histone H4 (acetyl Lys9) antibody with peptide samples. Varied amount of peptide samples were spotted onto positively charged nylon membrane and blotted with Histone H4 (acetyl Lys9) antibody 1:5000 dilution. A: Peptide samples of H4K8 un B: Peptide samples of H4K8ac C: Peptide samples of H4K16un D: Peptide samples of H4K16ac.



Immunoprecipitation: Histone H4 [ac Lys8] Antibody [NBP2-42863] - Analysis of HeLa whole cell lysate/extract:

- A. 30 ug whole cell lysate/extract of Histone H4 (acetyl K9) protein expressing HeLa cells (0.4uM TSA treatment for 18 hrs)
 - B. Control with 2.5 ug of pre-immune rabbit IgG
 - C. Immunoprecipitation of Histone H4 (acetyl K9) protein by 2.5 ug of Histone H4 (acetyl K9) antibody . 12% SDS-PAGE The immunoprecipitated Histone H4 (acetyl K9) protein was detected by Histone H4 (acetyl K9).
- EasyBlot anti-rabbit IgG (HRP) was used as a secondary reagent.





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Products Related to NBP2-42863

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB21-2089PEP	Histone H4 [Dimethyl Lys20] Antibody Blocking Peptide

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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