

Datasheet for ABIN2668339 anti-Histone H2B antibody (acLys16)

3 Images

1 Publication



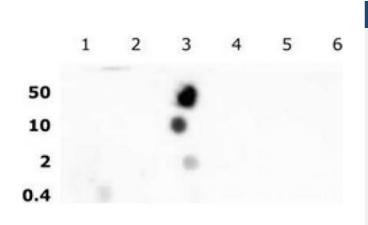
Overview

Quantity:	200 μL
Target:	Histone H2B
Binding Specificity:	acLys16
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H2B antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP)
Product Details	
Immunogen:	This antibody was raised against a peptide including acetyllysine 16 of human histone H2B.
Purification:	None
Target Details	
Target:	Histone H2B
Abstract:	Histone H2B Products
Molecular Weight:	15 kDa
Gene ID:	8348

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Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Rabbit serum containing 30 % glycerol and 0.035 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Storage:	-20 °C
Storage Comment:	Antibodies in solution can be stored at -20 °C for 2 years.
Expiry Date:	6 months
Publications	
Product cited in:	Gatta, Mantovani: "Single nucleosome ChIPs identify an extensive switch of acetyl marks on cell cycle promoters." in: Cell cycle (Georgetown, Tex.) , Vol. 9, Issue 11, pp. 2149-59, (2011) (PubMed).

Images



Dot Blot

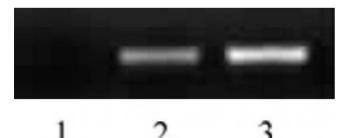
Image 1. Histone H2B acetyl Lys16 pAb tested by dot blot analysis. Specificity Data: Dot blot analysis was used to confirm the specificity of Histone H2B acetyl Lys16 pAb for acetyl-Lys 16 of histone H2B. Decreasing amounts of modified and unmodified peptides were spotted onto PVDF and probed with the antibody at a dilution of 1:5,000. Lane 1: Peptide acetylated at lysine 5 of H2B. Lane 2: Unmodified lysine 5 peptide. Lane 3: Peptide acetylated at lysine 16 of H2B. Lane 4: unmodified lysine 16 peptide.

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Lane 5: Peptide acetylated at lysine 120 of H2B. Lane 6: Unmodified lysine 120 peptide.

Chromatin Immunoprecipitation

Image 2. Histone H2B acetyl Lys16 pAb tested by ChIP analysis. ChIP performed on HeLa cell chromatin using 39121. PCR was performed using primers specific for the promoter region of the human GAPDH gene. Lane 1: negative IgG control. Lane 2: ChIP using 10 µl of 39121. Lane 3: Input DNA control.



$$\begin{array}{c}
 260 \\
 160 \\
 110 \\
 60 \\
 50 \\
 40 \\
 30 \\
 20 \\
 15 \\
 10 \\
 10$$

1 2

Western Blotting

Image 3. Histone H2B acetyl Lys16 pAb tested by Western blot. HeLa acid extract (5 µg per lane) was probed with Histone H2B acetyl Lys16 polyclonal antibody (1:20,000 dilution). Lane 1: No treatment. Lane 2: Cells treated with sodium butyrate.

