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Datasheet for ABIN2668336

## anti-Histone H2B antibody (acLys120)

4 Images

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### Overview

Quantity:	200 µL
Target:	Histone H2B
Binding Specificity:	acLys120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H2B antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP), Dot Blot (DB), ChIP DNA-Sequencing (ChIP-seq)

### Product Details

Immunogen:	This Histone H2B acetylLys120 antibody was raised against a peptide including acetyllysine 120 of human histone H2B.
Purification:	None

### Target Details

Target:	Histone H2B
Abstract:	<a href="#">Histone H2B Products</a>
Molecular Weight:	15 kDa
Gene ID:	8348

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

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.

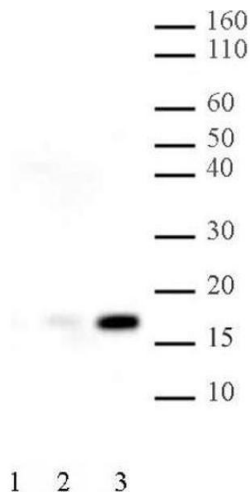
Expiry Date: 6 months

## Publications

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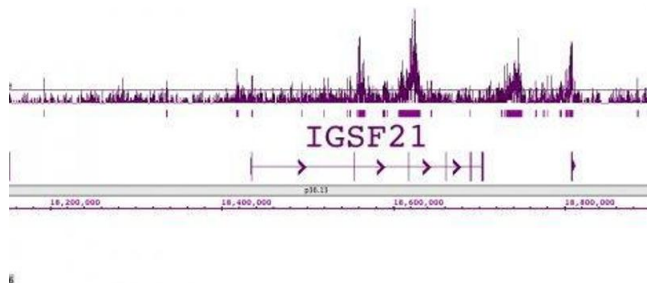
Product cited in: Vandamme, Sidoli, Mariani, Friis, Christensen, Helin, Jensen, Salcini: "H3K23me2 is a new heterochromatic mark in *Caenorhabditis elegans*." in: **Nucleic acids research**, Vol. 43, Issue 20, pp. 9694-710, (2015) ([PubMed](#)).

Papazyan, Voronina, Chapman, Luperchio, Gilbert, Meier, Mackintosh, Shabanowitz, Tackett, Reddy, Coyne, Hunt, Liu, Taverna: "Methylation of histone H3K23 blocks DNA damage in pericentric heterochromatin during meiosis." in: **eLife**, Vol. 3, pp. e02996, (2014) ([PubMed](#)).



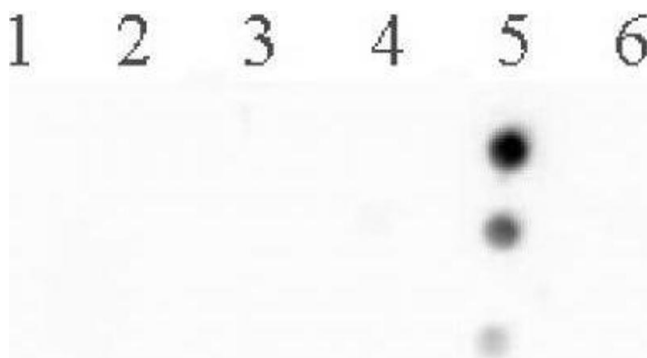
### Western Blotting

**Image 1.** Histone H2B acetyl Lys120 pAb tested by Western blot. HeLa acid extract (5 µg per lane) was probed with Histone H2B acetyl Lys120 polyclonal antibody (1:2,000 dilution). Lane 1: Human recombinant H2B (200 ng). Lane 2: No treatment. Lane 3: Cells treated with sodium butyrate.



### ChIP DNA-Sequencing

**Image 2.** Histone H2B acetyl Lys120 pAb tested by ChIP-Seq. ChIP was performed using chromatin from the H1 human embryonic stem cell line. ChIP DNA was sequenced on the Illumina GA II and sequence tags were mapped to identify H2BK120Ac binding. The image shows H2BK120Ac binding in and around the IGSF21 gene on chromosome 1.



### Dot Blot

**Image 3.** Histone H2B acetyl Lys120 pAb tested by dot blot analysis. Specificity Data: Dot blot analysis was used to confirm the specificity of Histone H2B acetyl Lys120 pAb for acetyl-Lys 120 of histone H2B. Decreasing amounts of modified and unmodified peptides were spotted onto PVDF and probed with the antibody at a dilution of 1:2,000. 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. Lane 5: Peptide acetylated at lysine 120 of H2B. Lane 6: Unmodified lysine 120 peptide.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2668336.