Datasheet for ABIN5773849

anti-Histone H2B antibody (acLys15)

6 Images

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Overview

Quantity:	50 µg
Target:	Histone H2B
Binding Specificity:	acLys15
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H2B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP), Dot Blot (DB), ChIP DNA-Sequencing (ChIP-seq)

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of Histone H2B (K15ac).
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to Histone H2B, acetylated at lysine 15.
Cross-Reactivity:	Human

Target Details

Target:	Histone H2B
Alternative Name:	HIST1H2BC (Histone H2B Products)
Background:	Full Gene Name: histone cluster 1, H2bc Synonyms: H2B.1,H2B/l,H2BFL,MGC104246,dJ221C16.3

Target Details

Gene ID:	8347

Application Details

Application Notes:	ELISA (1:1000) Western Blot (1:500) ChIP (2 µg/ChIP) Dot Blot (1:20000) Immunofluorescence (1:500) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In PBS (0.05 % sodium azide, 0.05 % proclin 300).
Preservative:	ProClin, Sodium azide
Precaution of Use:	This product contains ProClin and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Images

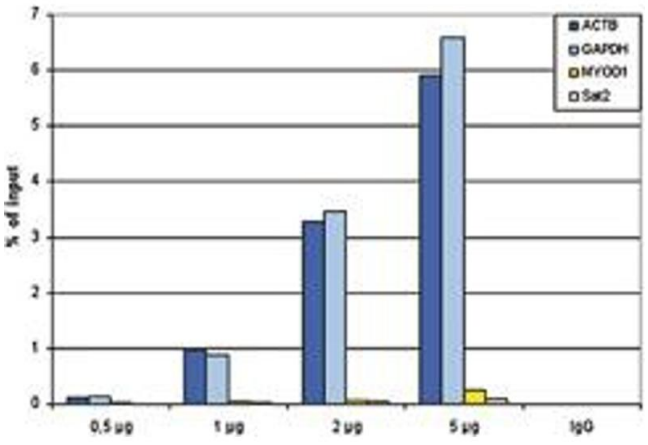

Image 1. ChIP assays were performed using human HeLa cells. A titration of the antibody consisting of 0.5, 1, 2 and, 5 ug per ChIP experiment was analysed. IgG (1 ug/IP) was used as negative IP control. QPCR was performed with primers for a region approximately 1 kb upstream of the GAPDH and ACTB promoters, used as positive controls, and for the coding region of the inactive MYOD1 gene and the Sat2 satellite repeat, used as negative controls. The figure

shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).

Western Blotting

Image 2. Western Blot analysis of (1) 25 ug whole cell extracts of Hela cells, (2) 15 ug histone extracts of Hela cells, (3) 1 ug of recombinant histone H2A, (4) 1 ug of recombinant histone H2B, (5) 1 ug of recombinant histone H3, (6) 1 ug of recombinant histone H4.

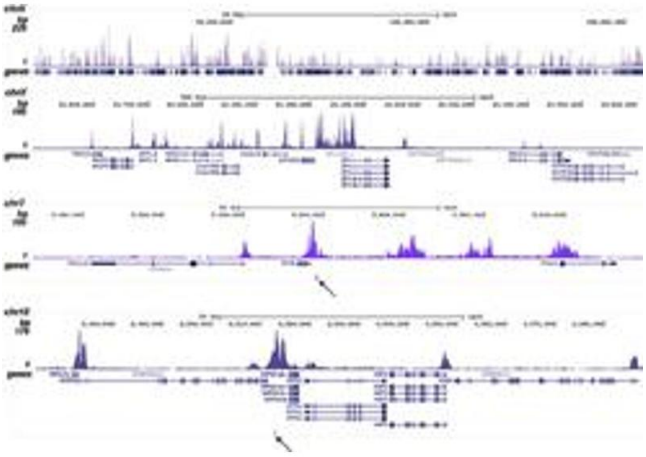

Image 3. ChIP was performed on sheared chromatin from 1.5 million HeLaS3 cells using antibody. The figure shows the enrichment along the complete sequence and a 1 Mb region of the X-chromosome and in genomic regions of chromosome 7, surrounding the ACTB gene, and of chromosome 12, surrounding the GAPDH gene. The position of the amplicon used for ChIP-qPCR is indicated by an arrow.

Please check the product details page for more images. Overall 6 images are available for ABIN5773849.