

Datasheet for ABIN5773871

anti-HIST1H4A antibody (acLys5, acLys8, acLys12)

6 Images

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Overview

Quantity:	50 µg
Target:	HIST1H4A
Binding Specificity:	acLys5, acLys8, acLys12
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H4A antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), 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 H4 (K5,8,12ac).
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to Histone H4, acetylated at lysines 5, 8, and 12.
Cross-Reactivity:	Human, Mouse

Target Details

Target:	HIST1H4A
Alternative Name:	HIST1H4A (HIST1H4A Products)
Background:	Full Gene Name: histone cluster 1, H4a Synonyms: H4/a,H4FA

Target Details

Gene ID: 8359

Application Details

Application Notes:	ELISA (1:1000)
	Western Blot (1:1000)
	ChIP (0.5-1 µg/IP)
	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

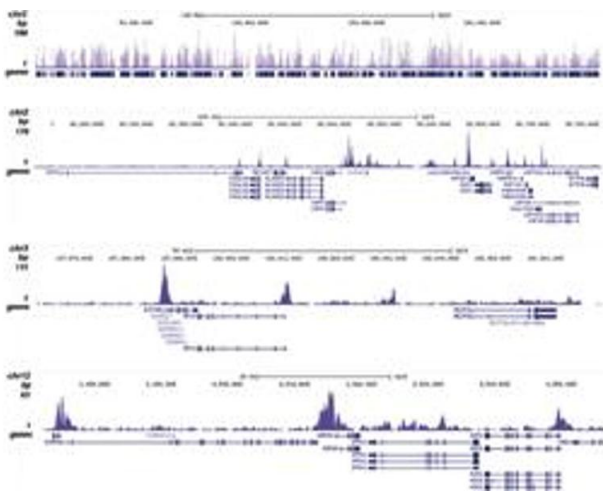
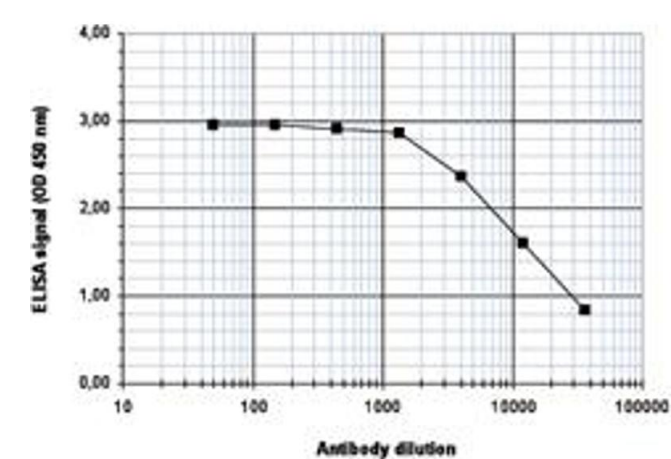


Image 1. ChIP was performed on sheared chromatin from 100,000 K562 cells. The figure shows the signal distribution along the complete length of chromosome 2 and a zoomin to a 600 kb region and the enrichment in two genomic regions on chromosome 3 and 12, respectively, containing EIF4A2 and GAPDH positive controls.



ELISA

Image 2. ELISA is a quantitative method used to determine the titer of the antibody using a serial dilution of antibody against Histone H4 (K5,8,12ac) in antigen coated wells. The antigen used was a peptide containing the histone modification of interest. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be 1:14500.

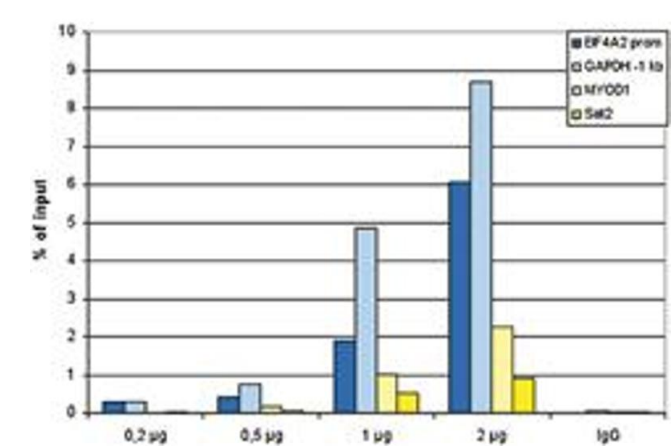


Image 3. ChIP assays were performed using human K562 cells. A titration of the antibody consisting of 0.2, 0.5, 1 and 2 µg per ChIP experiment was analysed. IgG (1 µg/IP) was used as negative IP control. QPCR was performed with primers for promoter of the active gene EIF4A2 and for a region 1 kb upstream of the GAPDH gene, used as positive controls, and for the inactive MYOD1 gene and the Sat2 satellite repeat region 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).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5773871.