

Datasheet for ABIN5773874
anti-HIST1H4A antibody (3meLys20)

6 Images

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Overview

Quantity:	50 µg
Target:	HIST1H4A
Binding Specificity:	3meLys20
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 (K20me3).
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to Histone H4, trimethylated at lysine 20.
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 (1:100)
	Western Blot (1:1000)
	ChIP (1-2 µg/IP)
	Dot Blot (1:20000)
	Immunofluorescence (1:300)
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

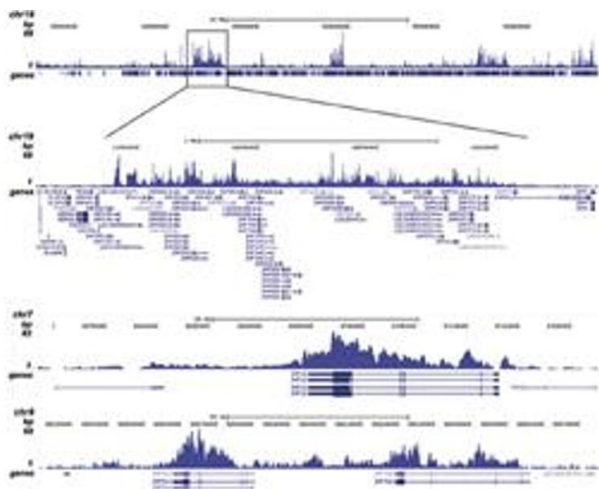


Image 1. The figure shows the signal distribution along the long arm of chromosome 19 and a zoomin to an enriched region containing several ZNF repeat genes and the enrichment at ZNF12 and ZNF510 on chromosome 7 and 9, respectively. These results clearly show an enrichment of H4K20me3 at ZNF repeat genes.

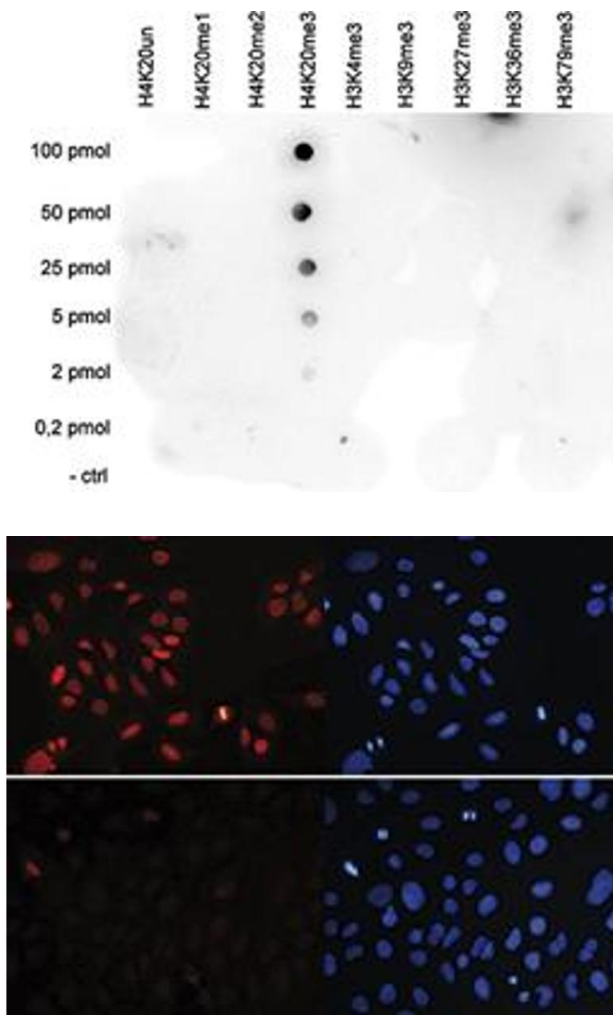


Image 2. Cross reactivity test using the Histone H4 (K20me3) antibody. Dot Blot analysis was performed with peptides containing other histone modifications and the unmodified H4K20. One hundred to 0.2 pmol of the respective peptides were spotted on a membrane. The antibody was used at a dilution of 1:20000. The figure shows a high specificity of the antibody for the modification of interest.

Immunofluorescence

Image 3. Immunofluorescent staining of human osteosarcoma (U2OS) cell line with antibody followed by anti-rabbit antibody conjugated to Alexa568 (left) or with DAPI (right). The bottom panel shows staining of with antibody after incubation of the antibody with blocking peptide.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5773874.