

Datasheet for ABIN5773863

**anti-HIST1H3A antibody (3meLys27, pSer28)****6** Images[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	HIST1H3A
Binding Specificity:	3meLys27, pSer28
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H3A antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Chromatin Immunoprecipitation (ChIP), Dot Blot (DB), ChIP DNA-Sequencing (ChIP-seq)

## Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of Histone H3 (K27me3)(phospho S28).
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to Histone H3, trimethylated at lysine 27 and phosphorylated at serine 28.
Cross-Reactivity:	Human

## Target Details

Target:	HIST1H3A
Alternative Name:	HIST1H3A ( <a href="#">HIST1H3A Products</a> )
Background:	Full Gene Name: histone cluster 1, H3a

Target Details

	Synonyms: H3/A,H3FA
Gene ID:	8350

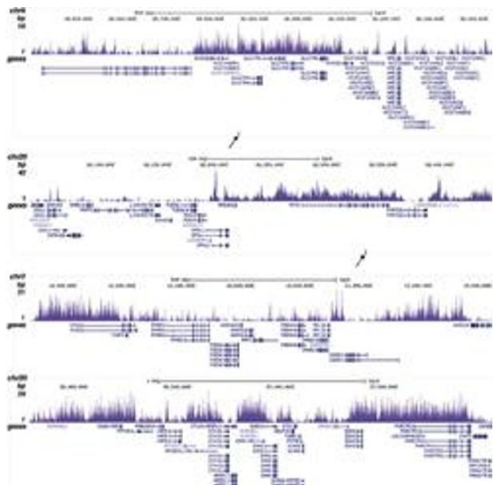
Application Details

Application Notes:	ELISA (1:200) Western Blot (1:1000) ChIP (1-2 µg/IP) Dot Blot (1:20000) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

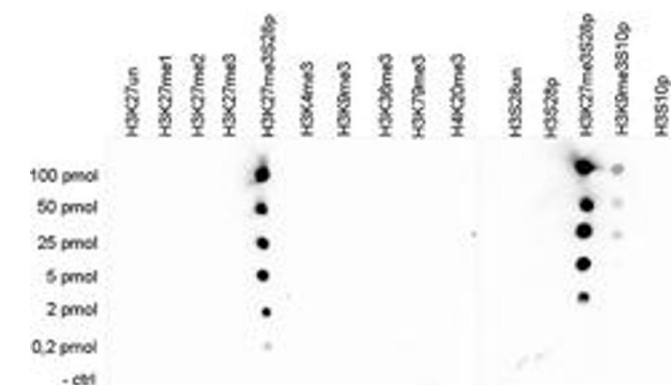
Handling

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.

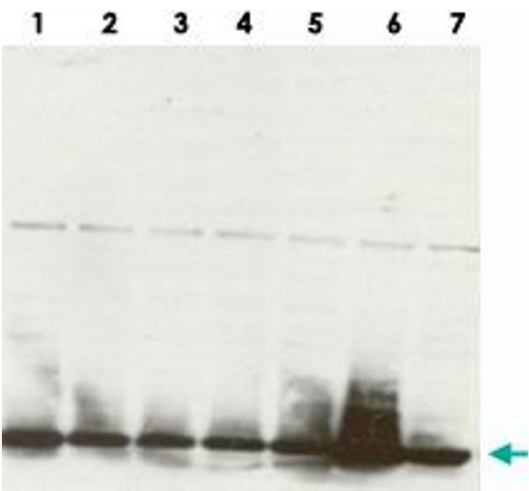
Images



**Image 1.** ChIP was performed on sheared chromatin from 1.5 million colcemid treated HeLaS3 cells using antibody. The figure shows the enrichment in genomic regions surrounding the TSH2B and MYT1 positive control genes, and of chromosome 3 and 20.



**Image 2.** Cross reactivity test using the Histone H3 (K27me3)(phospho S28) antibody. Dot Blot analysis was performed with peptides containing other modifications of histone H3 and H4 and the unmodified H3K27S28 sequence. One hundred to 0.2 pmol of the respective peptides were spotted on a membrane. The antibody was used at a dilution of 1:2000. The figure shows a high specificity of the antibody for the modification of interest.



### Western Blotting

**Image 3.** Western Blot analysis of different stages of the cell cycle (1) asynchronous population, (2)G1/Sa, (3)G1/Sb, (4)S phase, (5)G2/M, (6)M, (7)G1. The figure shows a nice peak of H3K27me3S28p expression during mitosis.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5773863.