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## Datasheet for ABIN5684092 anti-Histone Cluster 2, H4a (HIST2H4A) (meLys20) antibody

## Images



Overview

Quantity:	0.1 mg
Target:	Histone Cluster 2, H4a (HIST2H4A)
Binding Specificity:	meLys20
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

#### Product Details

Immunogen:	Synthesized peptide of human HIST2H4A ( AA: GGAKRHRK(Me)VLRDNIQ ).
Clone:	3E7H2
Isotype:	lgG1

## Target Details

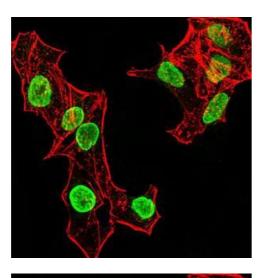
Target:	Histone Cluster 2, H4a (HIST2H4A)
Alternative Name:	HIST2H4A (HIST2H4A Products)
Background:	Description: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146
	bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four
	core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the

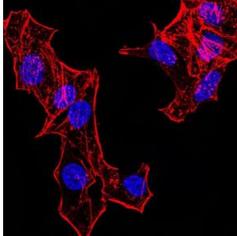
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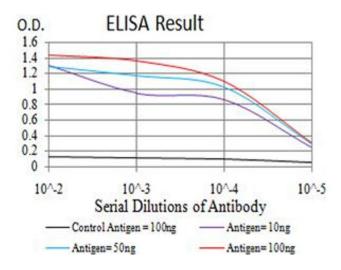
### Target Details

	interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order
	chromatin structures. This gene is intronless and encodes a member of the histone H4 family.
	Transcripts from this gene lack polyA tails, instead, they contain a palindromic termination
	element. This gene is found in a histone cluster on chromosome 1. This gene is one of four
	histone genes in the cluster that are duplicated, this record represents the centromeric copy.,
	Aliases: H4, H4/n, H4F2, H4FN, F0108, HIST2H4
Molecular Weight:	11.4 kDa
Gene ID:	8370
HGNC:	8370
Pathways:	Telomere Maintenance
Application Details	
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	1°C -20°C for long term storage

Storage Comment: 4°C, -20°C for long term storage







#### Immunofluorescence

**Image 1.** Immunofluorescence analysis of HeLa cells using HIST2H4A(20Me) mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

#### Immunofluorescence

**Image 2.** Immunofluorescence analysis of HeLa cells. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

#### **ELISA**

**Image 3.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the product details page for more images. Overall 7 images are available for ABIN5684092.

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