

Datasheet for ABIN5684094

**anti-Histone Cluster 2, H4a (HIST2H4A) (3meLys20) antibody**[Go to Product page](#)**3** Images

## Overview

Quantity:	0.1 mg
Target:	Histone Cluster 2, H4a (HIST2H4A)
Binding Specificity:	3meLys20
Reactivity:	Human, Rat, Mouse
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(Me3)VLRDNIQ) .
Clone:	7A2A7
Isotype:	IgG1

## Target Details

Target:	Histone Cluster 2, H4a (HIST2H4A)
Alternative Name:	HIST2H4A ( <a href="#">HIST2H4A Products</a> )
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

## 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, FO108, HIST2H4

Molecular Weight:	11.4 kDa
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Gene ID:	8370
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HGNC:	8370
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Pathways:	<a href="#">Telomere Maintenance</a>
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## Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: , ICC: , FCM: 1:200 - 1:400
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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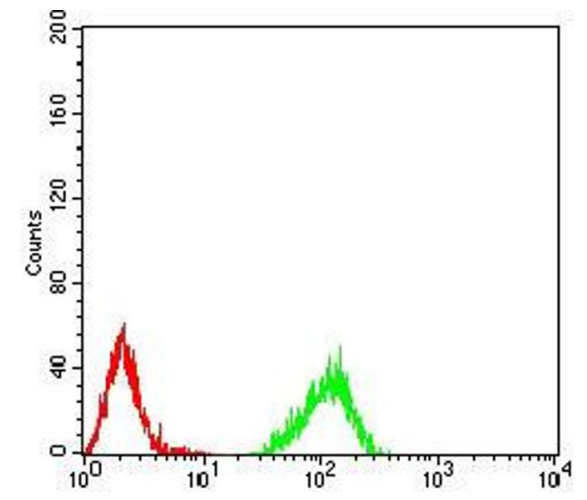
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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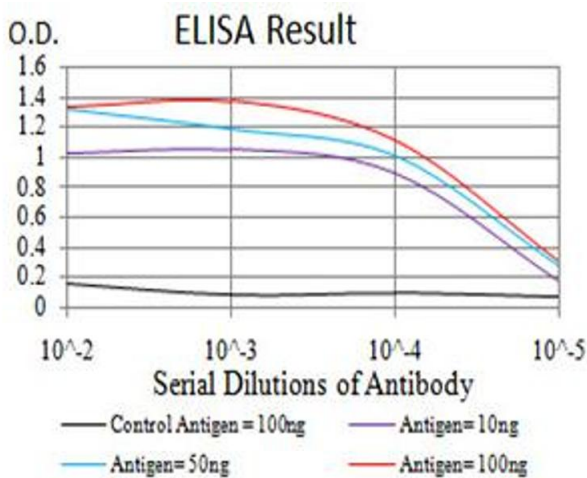
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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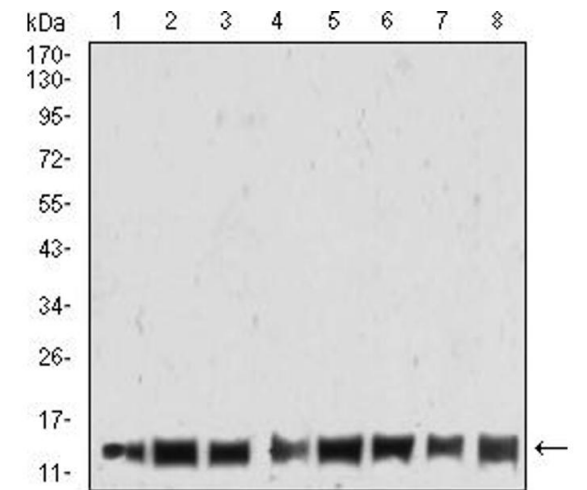
### Flow Cytometry

**Image 1.** Flow cytometric analysis of Raji cells using HIST2H4A(20Me3) mouse mAb (green) and negative control (red).



### ELISA

**Image 2.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



### Western Blotting

**Image 3.** Western blot analysis using HIST2H4A(20Me3) mouse mAb against THP-1 (1), Jurkat (2), K562 (3), NIT/3T3 (4), PC-12 (5), Hela (6), MCF-7 (7), and A431 (8) cell lysate.