



Datasheet for ABIN6971785
anti-Histone H2A antibody (meGln104)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	Histone H2A
Binding Specificity:	meGln104
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H2A antibody is un-conjugated
Application:	Western Blotting (WB), Dot Blot (DB)

Product Details

Immunogen:	This antibody was raised against a peptide containing human histone H2AQ104me1.
Isotype:	IgG
Characteristics:	Histone H2A is one of the core components of the nucleosome. The nucleosome is the smallest subunit of chromatin and consists of 147 base pairs of DNA wrapped around an octamer of core histone proteins (two each of Histone H2A, Histone H2B, Histone H3 and Histone H4). Histone H1 is a linker histone, present at the interface between the nucleosome core and DNA entry/exit points, it is responsible for establishing higher-order chromatin structure. Chromatin is subject to a variety of chemical modifications, including post-translational modifications of the histone proteins and the methylation of cytosine residues in the DNA. Reported histone modifications include acetylation, methylation, phosphorylation, ubiquitylation, glycosylation, ADP-ribosylation, carbonylation and SUMOylation, they play a major role in regulating gene expression. Methylation on glutamine 104 has been implicated in

Product Details

RNA Pol-I transcriptional regulation. Histone H2AQ104me1 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Dot blot and Western blot, it has been shown to react with Human samples, but it is predicted that it will react with a wide range of sample types.

Purification: Affinity Purified

Target Details

Target: Histone H2A

Abstract: [Histone H2A Products](#)

Molecular Weight: 14 kDa

NCBI Accession: [NP_003508](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

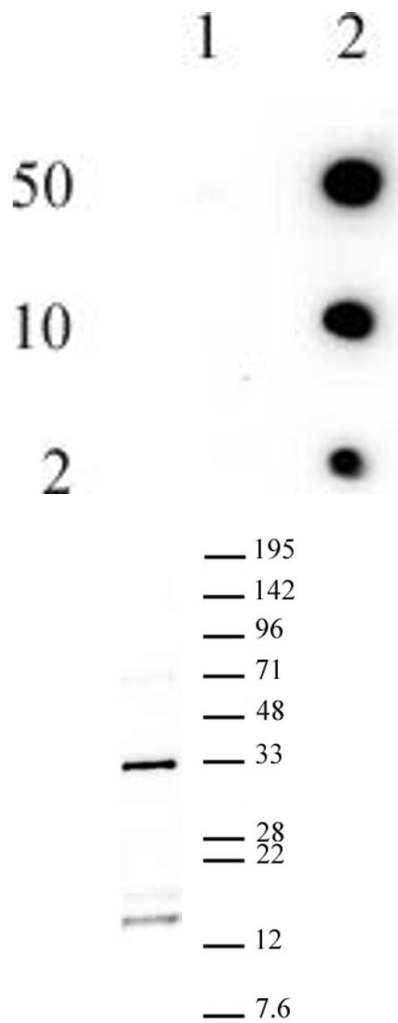
Buffer: Purified IgG in PBS with 30 % glycerol and 0.035 % sodium azide.

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: -20 °C

Storage Comment: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.



Dot Blot

Image 1. Histone H2AQ104me1 (pAb) tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of Histone H2AQ104me1 pAb for monomethyl-glu104 of histone H2A. Decreasing amounts of modified and unmodified peptides were spotted onto PVDF and probed with the antibody at a dilution of 1:5,000. Lane 1: Unmodified glutamine 104 of H2A peptide. Lane 2: Monomethylated glutamine 104 of H2A peptide.

Western Blotting

Image 2. Histone H2AQ104me1 antibody (pAb) tested by Western blot. Histone H2AQ104me1 detection by Western blot. The analysis was performed using 30 µg of HeLa nuclear cell extract and Histone H2AQ104me1 antibody at a 1:500 dilution.