

Datasheet for ABIN6971753
anti-Histone H2A antibody



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1 Image

Overview

Quantity:	100 µg
Target:	Histone H2A
Reactivity:	Saccharomyces cerevisiae, Schizosaccharomyces pombe
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H2A antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	This Histone H2A antibody was raised against recombinant yeast histone H2A.
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. Histone H2A antibody (pAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation and Western blot, it has

Product Details

been shown to react with Budding Yeast and Fission Yeast samples.

Purification: Protein A Chromatography

Target Details

Target: Histone H2A

Abstract: [Histone H2A Products](#)

Molecular Weight: 14 kDa

NCBI Accession: [NP_010511](#)

Application Details

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

Restrictions: For Research Use only

Handling

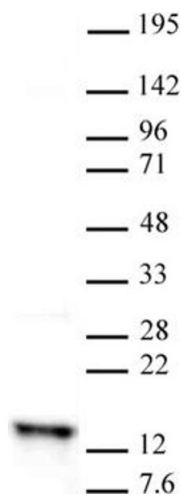
Buffer: Purified IgG in 70 mM Tris (pH 8), 105 mM NaCl, 31 mM glycine, 0.07 mM EDTA, 30 % glycerol and 0.035 % sodium azide.

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.



Western Blotting

Image 1. Histone H2A antibody (pAb) tested by Western blot. *S. cerevisiae* whole-cell extract (5 µg) probed with Histone H2A antibody (pAb) at 1 µg/mL.