Datasheet for ABIN6971739

anti-Histone H1 antibody (AA 109-256)

1 Image

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Overview

Quantity:	100 µg
Target:	Histone H1
Binding Specificity:	AA 109-256
Reactivity:	Drosophila melanogaster
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Histone H1 antibody is un-conjugated
Application:	Immunofluorescence (IF), Western Blotting (WB), Immunoprecipitation (IP), ChIP DNA-Sequencing (ChIP-seq), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	This antibody was raised against a recombinant protein containing amino acids 109-256 of ***Drosophila melanogaster*** Histone H1. This region of the protein is not conserved in mammals, the antibody is not likely to cross-react to human, mouse or rat Histone H1.
Clone:	1G6-E3
Isotype:	IgG1
Characteristics:	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. Histone H1 is responsible for establishing higher-order chromatin structure. Chromatin is subject to a variety of chemical modifications,

Product Details

	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 and play a major role in regulating gene expression. Histone H1 antibody (mAb) (Clone 1G6-E3) was raised in a Mouse host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq, Immunofluorescence, Immunoprecipitation and Western blot, it has been shown to react with Drosophila samples.
Purification:	Protein A Chromatography

Target Details

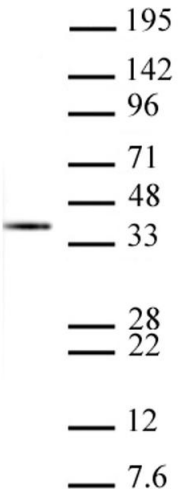
Target:	Histone H1
Abstract:	Histone H1 Products
Molecular Weight:	35 kDa
NCBI Accession:	NP_001027286

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.



Western Blotting

Image 1. Histone H1 antibody tested by Western Blot.Schneider's L2 Drosophila cell lysate probed with Histone H1 antibody (0.5 µg/mL)