Datasheet for ABIN7139188

anti-HIST1H1E antibody (acLys51)

3 Images

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Overview

Quantity:	100 µL
Target:	HIST1H1E
Binding Specificity:	acLys51
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H1E antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Peptide sequence around site of Acetyl-Lys (51) derived from Human Histone H1.4
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	HIST1H1E
Alternative Name:	HIST1H1E (HIST1H1E Products)
Background:	Background: Histone H1 protein binds to linker DNA between nucleosomes forming the

Target Details

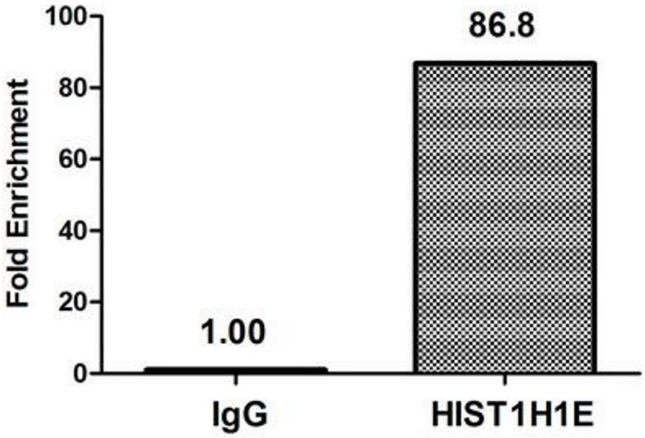
	macromolecular structure known as the chromatin fiber. Histones H1 are necessary for the condensation of nucleosome chains into higher-order structured fibers. Acts also as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation (By similarity). Aliases: H1 histone family member 4 antibody, H1.4 antibody, H14_HUMAN antibody, H1E antibody, H1F4 antibody, Hist1h1e antibody, Histone 1 H1e antibody, Histone cluster 1 H1e antibody, Histone H1 antibody, Histone H1.4 antibody, Histone H1B antibody, MGC116819 antibody
UniProt:	P10412

Application Details

Application Notes:	Recommended dilution: ICC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

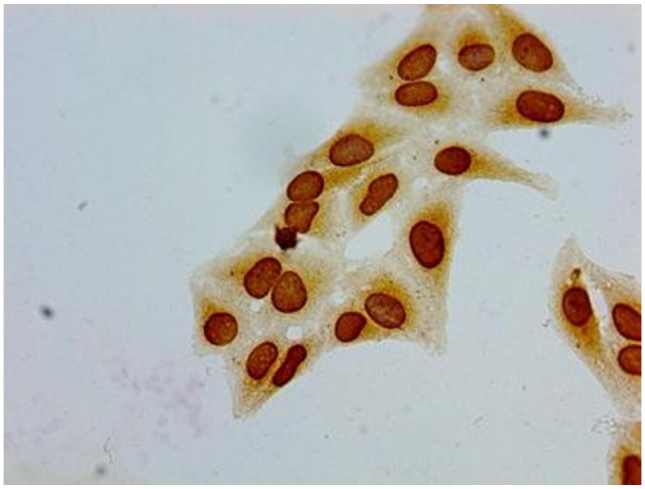
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



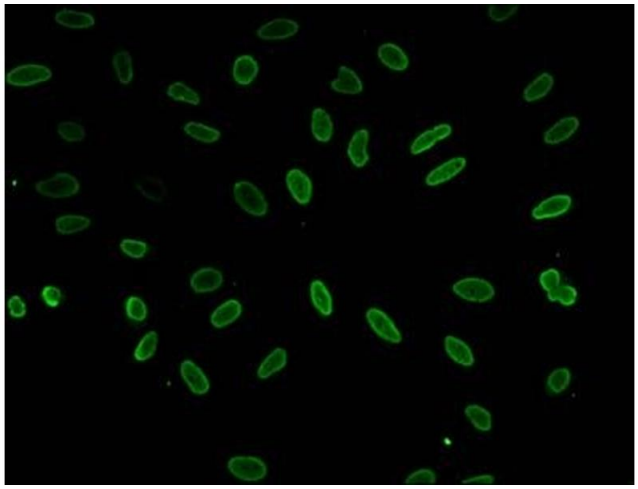
Immunohistochemistry

Image 1. Chromatin Immunoprecipitation Hela (4*10 6 , treated with 30 mM sodium butyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5 µg anti-HIST1H1E (ABIN7139188) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β-Globin promoter.



Immunocytochemistry

Image 2. Immunocytochemistry analysis of Hela cells using ABIN7139188 at dilution of 1:100



Immunofluorescence

Image 3. Immunofluorescent analysis of Hela cells (sodium butyrate, 30 mM, 4h) using ABIN7139188 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)