Datasheet for ABIN7127266

Recombinant anti-HIST1H2BB antibody (acLys20)

4 Images

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Overview

Quantity:	100 µL
Target:	HIST1H2BB
Binding Specificity:	acLys20
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This HIST1H2BB antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	A synthesized peptide
Clone:	21F11
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Affinity-chromatography

Target Details

Target:	HIST1H2BB

Target Details

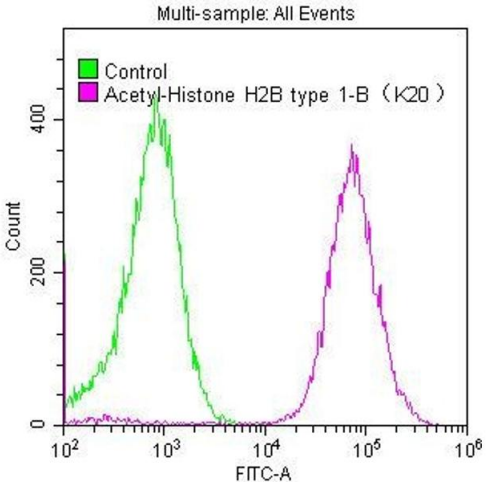
Alternative Name:	HIST1H2BB (HIST1H2BB Products)
Background:	Background: Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Aliases: Histone H2B type 1-B, Histone H2B.1, Histone H2B.f, H2B/f, HIST1H2BB, H2BFF
UniProt:	P33778
Pathways:	Telomere Maintenance

Application Details

Application Notes:	Recommended dilution: WB:1:5000-1:10000, ICC:1:50-1:500, IF:1:30-1:200,
Restrictions:	For Research Use only

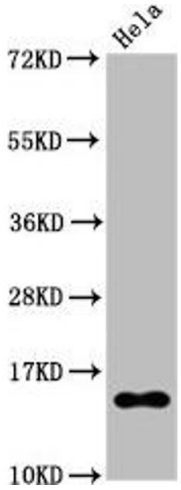
Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Flow Cytometry

Image 1. Overlay histogram showing Hela cells stained with ABIN7127266 (red line) at 1:50. The cells were fixed with 70 % Ethylalcohol (18h) and then permeabilized with 0.3 % Triton X-100 for 2 min.The cells were then incubated in 1x PBS /10 % normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4 °C.The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4 °C. Control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.



Western Blotting

Image 2. Western Blot Positive WB detected in Hela whole cell lysate treated by 15 mM sodium butyrate for 30 min All lanes Acetyl-Histone H2B type 1-B(K20)antibody at 0.135 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 15 KDa Observed band size: 15 KDa

Immunocytochemistry

Image 3. Immunocytochemistry analysis of ABIN7127266 diluted at 1:100 and staining in Hela cells performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the product details page for more images. Overall 4 images are available for ABIN7127266.