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Anti-Histone H2A (Acetyl-K5) Antibody

Catalog # AP61492

Product Information

Application	WB, IF/IC
Primary Accession	P0C0S8
Reactivity	Human, Mouse, Rat, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14091

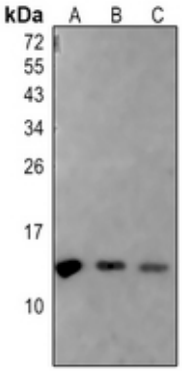
Additional Information

Gene ID	8329;8330;8332;8336;8969
Other Names	H2AFP; H2AFC; H2AFD; H2AFI; H2AFN; Histone H2A type 1; H2A.1; Histone H2A/p
Target/Specificity	KLH-conjugated synthetic acetylated peptide corresponding to residues surrounding K5 of human Histone H2A protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

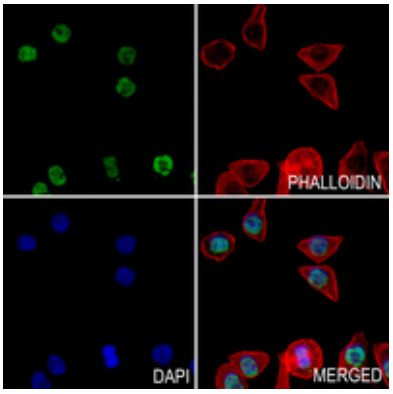
Protein Information

Name	H2AC11 (HGNC:4737)
Synonyms	H2AFP, HIST1H2AG
Function	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.
Cellular Location	Nucleus. Chromosome.

Images



Western blot analysis of Histone H2A (Acetyl-K5) expression in HEK293T (A), H446 (B), U2OS (C) whole cell lysates. (Predicted band size: 14 kD; Observed band size: 14 kD)



Immunofluorescent analysis of Histone H2A (Acetyl-K5) staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.