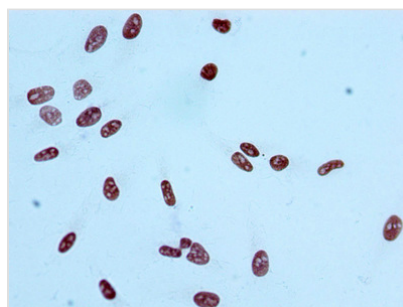




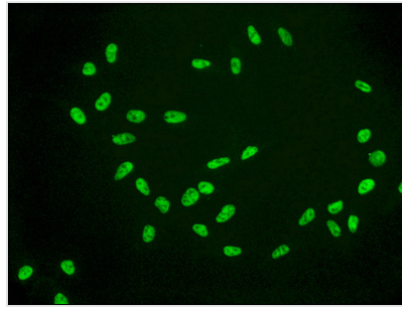
Acetyl-Histone H2A type 1-B/E (K9) Antibody

| | |
|----------------------------|--|
| Product Code | CSB-RA010385A09acHU |
| Abbreviation | Histone H2A type 1-B/E |
| Storage | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| Uniprot No. | P04908 |
| Immunogen | A synthesized peptide |
| Species Reactivity | Human |
| Tested Applications | ELISA, ICC, IF; Recommended dilution: ICC:1:50-1:500, IF:1:30-1:200 |
| Relevance | 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. |
| Form | Liquid |
| Conjugate | Non-conjugated |
| Storage Buffer | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Purification Method | Affinity-chromatography |
| Isotype | Rabbit IgG |
| Clonality | Monoclonal |
| Alias | Histone H2A type 1-B/E, Histone H2A.2, Histone H2A/a, Histone H2A/m, HIST1H2AB, H2AFM, AND, HIST1H2AE, H2AFA |
| Immunogen Species | Homo sapiens (Human) |
| Research Area | Epigenetics and Nuclear Signaling |
| Gene Names | HIST1H2AB |
| Accession NO. | 3H5 |

Image



Immunocytochemistry analysis of CSB-RA010385A09acHU diluted at 1:100 and staining in Hela cells performed on a Leica Bond™ 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 30min 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.



Immunofluorescence staining of HeLa cells (treated by 15mM sodium butyrate for 30min) with CSB-RA010385A09acHU at 1:56, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).