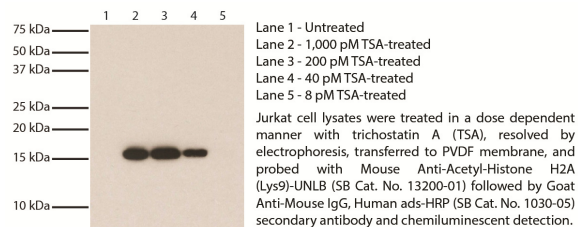




## Mouse Anti-Acetyl-Histone H2A (Lys9)

Cat. No.	Format	Size
13200-01	Purified (UNLB)	0.1 mg



### Overview

<b>Clone</b>	SB146a
<b>Isotype</b>	Mouse (BALB/c) IgG <sub>2a</sub> K
<b>Immunogen</b>	Synthetic peptide designed based on the region around Lysine 9 of human H2A sequence
<b>Specificity</b>	Human H2A acetylated at Lysine 9, Mr 14 kDa
<b>Alternate Name(s)</b>	H2AK9ac

### Description

Nucleosomes are the fundamental repeating subunit of chromatin and are the basic units of DNA packaging in eukaryotes. Nucleosomes consist of 147 base pairs of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). Histones consist of a globular domain and a more flexible amino terminus (histone "tail") which may undergo various post-translational modifications, including acetylation, phosphorylation, and methylation. These modifications have a direct effect on chromatin structure and chromatin protein interactions, and are involved in DNA repair, chromosome condensation, and gene regulation.

### Applications

ELISA – Quality tested

WB<sup>1</sup>  
IP<sup>1</sup>  
IHC-PS<sup>1</sup>  
ICC<sup>1</sup>  
FC<sup>1</sup>

### Working Dilutions

<b>ELISA</b>	Purified (UNLB) antibody	≤ 1 µg/mL
<b>Immunoblotting</b>	Purified (UNLB) antibody	≤ 1 µg/mL
<b>Immunocytochemistry</b>	Purified (UNLB) antibody	≤ 1 µg/mL
<b>Immunohistochemistry</b>	Purified (UNLB) antibody	≤ 5 µg/mL
<b>Flow Cytometry</b>	Purified (UNLB) antibody	≤ 1 µg/10 <sup>6</sup> cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL	
<b>Other Applications</b>	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

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## Handling and Storage

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- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 0.2 mL of borate buffered saline, pH 8.2, containing 30% glycerol and 0.01% BSA. Store at -20°C.
- Reagent is stable for the period shown on the label if stored as directed.

## References

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1. SouthernBiotech published data