

Histone H2A Polyclonal Antibody

CATALOG #:	3621-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide corresponding to the N-terminus of human histone H2A (Internal ID# BV-597)
SPECIES REACTIVITY:	human, mouse, rat, chicken

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-Histone H2A polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

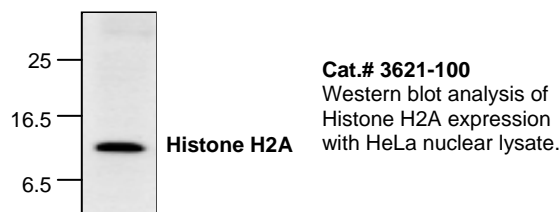
The nucleosome is made up of four core histone proteins (H2A, H2B, H3 and H4) and is the primary building block of chromatin. The N-terminal tail of core histones undergoes different posttranscriptional modification including acetylation, phosphorylation and methylation. These modifications occur in response to cell signal stimuli and have a direct effect on gene expression.

APPLICATION AND USAGE:

The antibody can be used in Western blotting (0.5-4 µg/ml). Per researchers feedback, it can also be used in immunoprecipitation (10-20 µg/ml) and Immunohistochemistry (10-30 µg/ml). However, the optimal conditions should be determined individually.

SPECIFICITY:

The antibody detects ~14 kDa histone H2A protein. It does not cross-react with other histones. HeLa cell nuclear extract (Cat.# 1641-1) can be used as a positive control. Blocking peptide (Cat.# 3621BP-50) is also available separately.



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- Nuclear Apoptosis Kits & Reagents
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