

Polyclonal Antibody to Histone H2A - Aff - Purified

Alternate names:	H2A Histone Family, HIST1H2A
Catalog No.:	TA318929
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
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.
Host:	Rabbit
Immunogen:	Synthetic peptide corresponding to the N-terminus of human histone H2A
Format:	State: Liquid purified Ig fraction. Purification: Affinity Chromatography. Buffer System: PBS, pH 7.2 containing 30% Glycerol, 0.5% BSA and 0.01% Thimerosal as preservative.
Applications:	Western Blot: 0.5-4 µg/ml. Immunoprecipitation: 10-20 µg/ml. Immunohistochemistry: 10-30 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody detects ~14 kDa Histone H2A protein. It does not cross-react with other histones. HeLa cell nuclear extract can be used as a positive control. Species: Human, Mouse, Rat and Chicken.. Other species not tested.
Storage:	Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Western blot analysis of Histone H2A expression with HeLa nuclear lysate.

