



Anti-Histone H2A Antibody

Alternative Names:	H2A
Catalogue Number:	AA17-10041-50ug
Size:	50 µg

Background Information

Histone H2A is a core histone (along with H2B, H3 and H4). Core formation takes place through the interaction of two H2A molecules after which H2A forms a dimer with H2B; the core molecule is complete when H3-H4 also attaches to form a tetramer. H2A refers to a number of closely related proteins that vary by only a few amino acids including H2A.1, H2A.2, H2AX, and H2AZ. H2A undergoes various post-translational modifications, including acetylation, phosphorylation, methylation, and ubiquitination, which occur in response to various stimuli and directly affect the accessibility of chromatin to transcription factors. Changes in variant composition occur in differentiating cells. H2A consists of a main globular domain and a long N-terminal tail or C-terminal on one end of the molecule. The N-terminal tail or C-terminal tail is the location of post-translational modification.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human
Immunogen:	Full length recombinant human Histone H2A		
Format:	50 µg in 100 µl PBS containing 0.05% BSA and 0.05% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	IHC WB WB: 2-4ug/ml, Immunohistochemical analysis: 5ug/ml		

Additional Information

Subcellular location:	Nucleus	MW:	14kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	8335	Uniprot ID:	P04908