



# Histone H2A rabbit pAb

Cat No.:ES4230

For research use only

## Overview

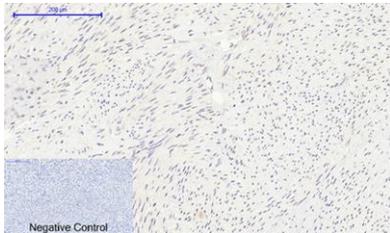
<b>Product Name</b>	Histone H2A rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species</b>	Human;Mouse;Rat
<b>Cross-Reactivity</b>	
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	Synthesized peptide derived from the Internal region of human Histone H2A. 20-50
<b>Specificity</b>	Histone H2A Polyclonal Antibody detects endogenous levels of Histone H2A protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Histone H2A type 1
<b>Gene Name</b>	HIST1H2AG/HIST1H2AI/HIST1H2AK/HIST1H2AL/HIST1H2AM
<b>Cellular localization</b>	Nucleus. Chromosome.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	15kD
<b>Human Gene ID</b>	8329/8330/8332/8336/8969
<b>Human Swiss-Prot Number</b>	POCOS8
<b>Alternative Names</b>	HIST1H2AG; H2AFP; HIST1H2AI; H2AFC; HIST1H2AK; H2AFD; HIST1H2AL; H2AFI; HIST1H2AM; H2AFN; Histone H2A type 1; H2A.1; Histone H2A/p
<b>Background</b>	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units,



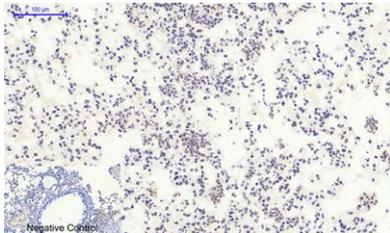


called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Aug 2015],

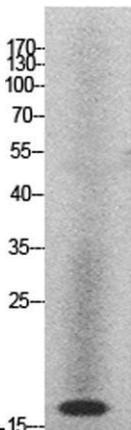
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1, Histone H2A Polyclonal Antibody was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(



Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1, Histone H2A Polyclonal Antibody was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



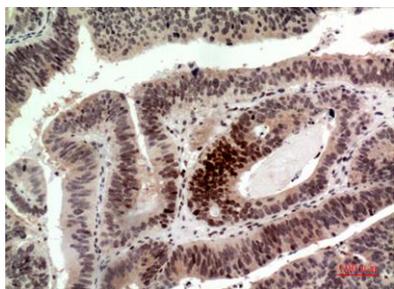
Western Blot analysis of HeLa cells using Histone H2A Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).





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Immunohistochemical analysis of paraffin-embedded human-colon-cancer, antibody was diluted at 1:100



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