

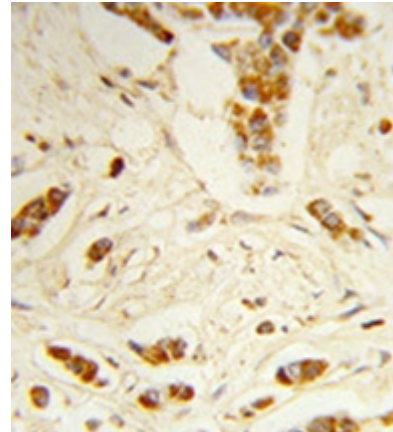
## Polyclonal Antibody to H2A1J (C-term) - Aff - Purified

<b>Alternate names:</b>	H2AFE, HIST1H2AJ, Histone H2A type 1-J, Histone H2A/e
<b>Catalog No.:</b>	AP51989PU-N
<b>Quantity:</b>	0.4 ml
<b>Concentration:</b>	lot specific
<b>Background:</b>	H2A1J 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 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
<b>Uniprot ID:</b>	<a href="#">Q99878</a>
<b>NCBI:</b>	<a href="#">NP_066544</a>
<b>GeneID:</b>	<a href="#">8331</a>
<b>Host / Isotype:</b>	Rabbit / Ig
<b>Immunogen:</b>	KLH conjugated synthetic peptide between 99~128 amino acids from the C-terminal region of Human H2A1J
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> PBS containing 0.09% (W/V) Sodium Azide as preservative <b>Buffer System:</b> PBS containing 0.09% (W/V) Sodium Azide as preservative
<b>Applications:</b>	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Flow Cytometry:</b> 1/10-1/50. <b>Immunohistochemistry on Paraffin Sections:</b> 1/50-1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes Human H2A1J (C-term).
<b>Add. Information:</b>	<b>Molecular Weight:</b> 13936 Da
<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Lusic, M., et al. EMBO J. 22(24):6550-6561(2003) Marzluff, W.F., et al. Genomics 80(5):487-498(2002) Andersen, J.S., et al. Curr. Biol. 12(1):1-11(2002)

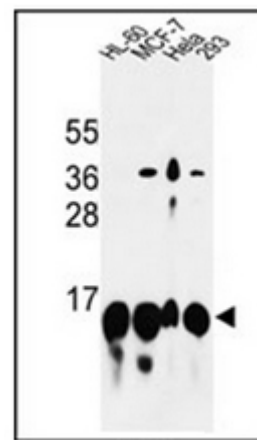
Deng, L., et al. *Virology* 289(2):312-326(2001)

**Pictures:**

Immunohistochemistry analysis in formalin-fixed and paraffin-embedded human breast carcinoma reacted with H2A1J Antibody (C-term) Cat.-No AP51989PU-N, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western blot analysis of H2A1J Antibody (C-term) Cat.-No AP51989PU-N in HL-60, MCF-7, Hela, 293 cell line lysates (35ug/lane). H2A1J (arrow) was detected using the purified Pab.



Flow cytometric analysis of MCF-7 cells using H2A1J Antibody (C-term) Cat.-No AP51989PU-N (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

