

Rabbit HIST1H2AL Polyclonal Antibody | anti-HIST1H2AG antibody

HIST1H2AL Antibody (C-term)

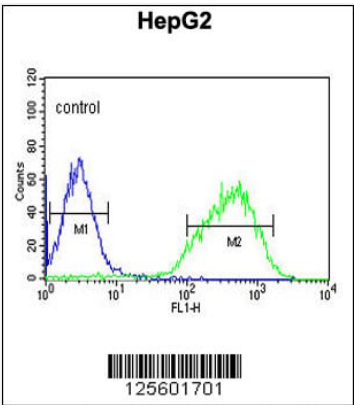
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290249	Rabbit	Human (Predicted Reactivity: Rat, Bovine, Mouse)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

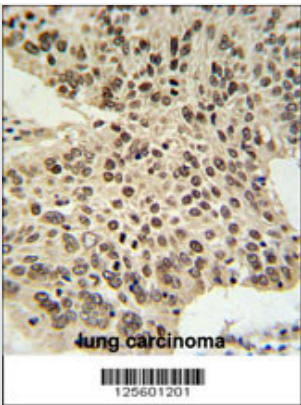
HIST1H2AL; Polyclonal Antibody; HIST1H2AL Antibody (C-term); Histone H2A type 1; H2A1; Histone H2A/p; HIST1H2AG; H2AFP; anti-HIST1H2AG antibody

PRODUCT SPECIFICATIONS

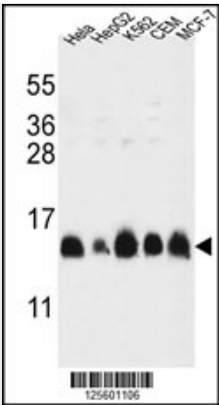
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Rat, Bovine, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HIST1H2AL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 103-130 amino acids from the C-terminal region of human HIST1H2AL.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	103-130
Sequence Length	130
Applicable Applications for anti-HIST1H2AG antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
HIST1H2AL Antibody (C-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
HIST1H2AL Antibody (C-term) IHC analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HIST1H2AL Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
HIST1H2AL Antibody (C-term) western blot analysis in HL-60,HepG2,K562,CEM,MCF-7 cell line lysates (35ug/lane).This demonstrates the HIST1H2AL antibody detected the HIST1H2AL protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-HIST1H2AG antibody	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 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.
References	Lusic, M., et al. EMBO J. 22(24):6550-6561(2003) Kzhyshkowska, J., et al. Biochem. J. 371 (PT 2), 385-393 (2003) Marzluff, W.F., et al. Genomics 80(5):487-498(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504239
NCBI GeneID	8329
NCBI Accession #	NP_003500.1; NP_003501.1; NP_003502.1; NP_003505.1; NP_066408.1
NCBI GenBank Nucleotide #	NM_003509.2

UniProt Accession #	P0C0S8; P02261; Q2M1R2; Q76PA6
Molecular Weight	14091
NCBI Official Full Name	histone H2A type 1
NCBI Official Synonym Full Names	histone cluster 1, H2ai
NCBI Official Symbol	HIST1H2AI
NCBI Official Synonym Symbols	H2A/c; H2AFC
NCBI Protein Information	histone H2A type 1
UniProt Protein Name	Histone H2A type 1
UniProt Gene Name	HIST1H2AG
UniProt Synonym Gene Names	H2AFP; H2A.1
UniProt Entry Name	H2A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hist1h2ai-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290249>