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HIST1H2AG Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20584c

Product Information

Application	WB, E
Primary Accession	P0C0S8
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB48738
Calculated MW	14091

Additional Information

Gene ID	8329;8330;8332;8336;8969
Other Names	Histone H2A type 1, H2A1, Histone H2A/p, HIST1H2AG, H2AFP
Target/Specificity	This HIST1H2AG antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 63-87 amino acids from the Central region of human HIST1H2AG.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HIST1H2AG Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	H2AC11 (HGNC:4737)
Synonyms	H2AFP, HIST1H2AG
Function	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA

accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Cellular Location Nucleus. Chromosome.

Background

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

References

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Albig W.,et al.Biol. Chem. 380:7-18(1999).
Dobner T.,et al.DNA Seq. 1:409-413(1991).
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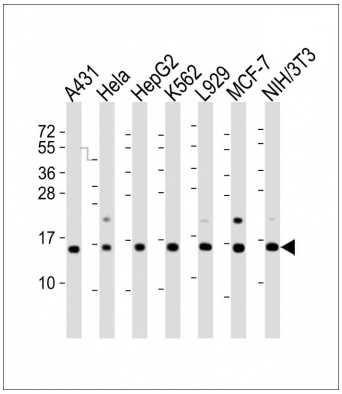
Marzluff W.F.,et al.Genomics 80:487-498(2002).

Images



All lanes : Anti-HIST1H2AG Antibody (Center) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: Hela whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: K562 whole cell lysate Lane 5: L929 whole cell lysate Lane 6: MCF-7 whole cell lysate Lane 7: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5% NFDM/TBST.