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HIST1H2AE Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15849

Product Information

Application	WB
Primary Accession	P04908
Other Accession	NM_021052, NP_066390
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14135

Additional Information

Gene ID	3012;8335
Alias Symbol	H2A.1, H2A.2, H2A/a, H2AFA
Other Names	Histone H2A type 1-B/E, Histone H2A.2, Histone H2A/a, Histone H2A/m, HIST1H2AB, H2AFM
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-HIST1H2AE antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	HIST1H2AE Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	H2AC4 (HGNC:4734)
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

Zhong R.,et al.Nucleic Acids Res. 11:7409-7425(1983).
Albig W.,et al.Genomics 10:940-948(1991).
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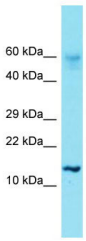
Marzluff W.F.,et al.Genomics 80:487-498(2002).
Mungall A.J.,et al.Nature 425:805-811(2003).

Images



Host: Rabbit
Target Name: HIST1H2AE
Sample Tissue: RPMI-8226 Whole cell lysate
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Antibody Dilution: 1.0µg/ml