Histone H2A (H2A) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Histone H2A, Polyclonal Antibody
Full Product Name	Rabbit anti-Histone H2A Antibody
Product Gene Name	anti-H2A antibody
Product Synonym Names	H2AFP; H2AFC; H2AFD; H2AFI; H2AFN; Histone H2A type 1; H2A.1; Histone H2A/p
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	14,091 Da
OMIM	Z83742 Genomic DNA
3D Structure	ModBase 3D Structure for P0C0S8
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Histone H2A. The exact sequence is proprietary.
Product Categories/Family for anti-H2A antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-H2A antibody	Western Blot (WB)
Application Notes for anti-H2A antibody	WB: 1:500-1:1000
Related Product Information for anti-H2A antibody	MBS4513723 is an antibody targeting H2A. Also known as Rabbit anti-Histone H2A Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-H2A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for H2A. It may not necessarily be applicable to this product.

NCBI GI #	4504239
NCBI GeneID	8329
NCBI Accession #	NP_003500.1
UniProt Primary Accession #	P0C0S8

UniProt Secondary Accession #	P02261; Q2M1R2; Q76PA6
UniProt Related Accession #	P0C0S8
GenBank Nucleotide #	NM_003509.2
NCBI Official Full Name	histone H2A type 1
NCBI Official Synonym Full Names	histone cluster 1 H2A family member i
NCBI Official Symbol	HIST1H2AI
NCBI Official Synonym Symbols	H2A/c; H2AFC
UniProt Protein Name	Histone H2A type 1
UniProt Synonym Protein Names	Histone H2A/ptl
Protein Family	Histone H2A deubiquitinase
UniProt Gene Name	HIST1H2AG
UniProt Synonym Gene Names	H2AFP; H2A.1
NCBI Protein Information	histone H2A type 1
NCBI Summary for H2A	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]
UniProt Comments for H2A	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.
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