

H2AFJ Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5572a

Product Information

Application	WB, E
Primary Accession	Q9BTM1
Other Accession	A9UMV8 , Q8R1M2 , Q4R3X5 , P70082 , Q3ZBX9 , NP_808760.1
Reactivity	Human
Predicted	Bovine, Chicken, Monkey, Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26924
Calculated MW	14019
Antigen Region	1-30

Additional Information

Gene ID	55766
Other Names	Histone H2AJ, H2a/j, H2AFJ
Target/Specificity	This H2AFJ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human H2AFJ.
Dilution	WB~~1:1000 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	H2AFJ Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	H2AJ (HGNC:14456)
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.

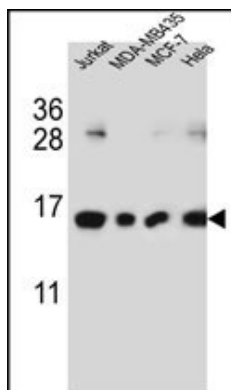
Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures.

References

Yao, J., et al. Cancer Res. 66(8):4065-4078(2006)
de Wit, N.J., et al. Br. J. Cancer 92(12):2249-2261(2005)
Chadwick, B.P., et al. Hum. Mol. Genet. 10(10):1101-1113(2001)

Images



H2AFJ Antibody (N-term) (Cat. #AP5572a) western blot analysis in Jurkat,MDA-MB435,MCF-7,Hela cell line lysates (35ug/lane).This demonstrates the H2AFJ antibody detected the H2AFJ protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.