

**H2AFJ Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP5572a****Specification**

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**H2AFJ Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q9BTM1</a>
Other Accession	<a href="#">A9UMV8</a> , <a href="#">Q8R1M2</a> , <a href="#">Q4R3X5</a> , <a href="#">P70082</a> , <a href="#">Q3ZBX9</a> , <a href="#">NP_808760.1</a>
Reactivity	Human
Predicted	Bovine, Chicken, Monkey, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	14019
Antigen Region	1-30

**H2AFJ Antibody (N-term) - Additional Information****Gene ID** 55766**Other Names**Histone H2A<sub>J</sub>, H2a<sub>J</sub>, 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

**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.

**H2AFJ Antibody (N-term) - Protein Information****Name** H2A<sub>J</sub> ([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**

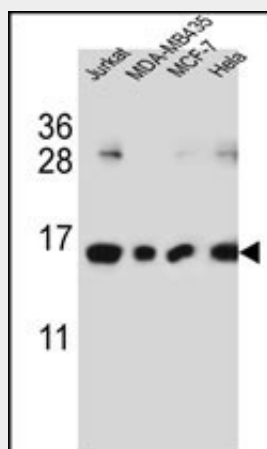
Nucleus. Chromosome.

### **H2AFJ Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **H2AFJ Antibody (N-term) - 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).

### **H2AFJ Antibody (N-term) - 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.

### **H2AFJ Antibody (N-term) - 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)