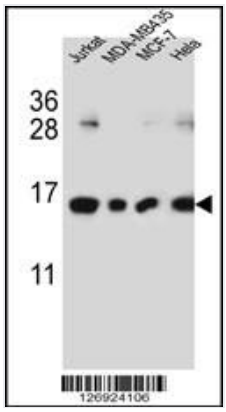
H2AFJ Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	H2AFJ, Polyclonal Antibody
Full Product Name	H2AFJ, NT (H2AFJ, Histone H2A.J) (FITC)
Product Gene Name	anti-H2AFJ antibody
Product Synonym Names	H2AFJ; Histone H2A.J
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	16,110 Da
3D Structure	ModBase 3D Structure for Q9BTM1
Immunogen	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.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-H2AFJ antibody	Antibodies; Histones
Applications Tested/Suitable for anti-H2AFJ antibody	Western Blot (WB), FLISA
Application Notes for anti-H2AFJ antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-H2AFJ antibody	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.
Product References and Citations for anti-H2AFJ antibody	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).
Other Notes	Small volumes of anti-H2AFJ 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.

Searchable Terms for H2AFJ purchase	MBS6305221 is an antibody targeting H2AFJ. Also known as H2AFJ, NT (H2AFJ, Histone H2A.J) (FITC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-H2AFJ antibody
H2AFJ Antibody (N-term) 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).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for H2AFJ. It may not necessarily be applicable to this product.

NCBI GI #	29553970
NCBI GeneID	55766
NCBI Accession #	NP_808760.1
UniProt Primary Accession #	Q9BTM1
UniProt Secondary Accession #	Q9NV63
UniProt Related Accession #	Q9BTM1
GenBank Nucleotide #	NM_177925.3
NCBI Official Full Name	histone H2A.J
NCBI Official Synonym Full Names	H2A histone family, member J
NCBI Official Symbol	H2AFJ
NCBI Official Synonym Symbols	H2AJ
UniProt Protein Name	Histone H2A.J
Protein Family	Histone
UniProt Gene Name	H2AFJ
UniProt Synonym Gene Names	H2a/j
UniProt Entry Name	H2AJ_HUMAN
NCBI Protein Information	histone H2A.J; H2a/j; buforin I

UniProt Comments for H2AFJ	H2AFJ: 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. The nucleosome is a histone octamer containing two molecules each of H2A, H2B, H3 and H4 assembled in one H3-H4 heterotetramer and two H2A-H2B heterodimers. The octamer wraps approximately 147 bp of DNA. Belongs to the histone H2A family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 12p12.3 Cellular Component: nucleosome; nucleus Molecular Function: DNA binding; protein heterodimerization activity
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