

Rabbit HIST1H2B Polyclonal Antibody | anti-HIST1H2BJ antibody

HIST1H2B Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287568	Rabbit	Human (Predicted Reactivity: Xenopus, Rat, Mouse, Bovine, Monkey, Chicken, Zebrafish)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

HIST1H2B; Polyclonal Antibody; HIST1H2B Antibody (Center); Histone H2B type 1-J; Histone H2B1; Histone H2Br; H2B/r; HIST1H2BJ; H2BFR; anti-HIST1H2BJ antibody

PRODUCT SPECIFICATIONS

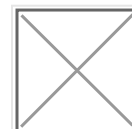
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Xenopus, Rat, Mouse, Bovine, Monkey, Chicken, Zebrafish)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HIST1H2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 57-86 amino acids from the Central region of human HIST1H2BJ.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	57-86
Sequence Length	126
Applicable Applications for anti-HIST1H2BJ antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

HIST1H2B Antibody (Center) western blot analysis in CEM, HL-60, NCI-H460 cell line lysates (35ug/lane). This demonstrates the HIST1H2B antibody detected the HIST1H2B protein (arrow).



FCM/FACS (Flow Cytometry)

HIST1H2B Antibody (Center) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

HIST1H2B antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HIST1H2B antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of lysates from ZF4 cell line, Zebrafish, zebra fish muscle tissue lysate(from left to right), using HIST1H2BJ Antibody (Center). AAA287568 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-HIST1H2BJ antibody	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 member of the histone H2B family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the histone microcluster on chromosome 6p21.33. [provided by RefSeq].
References	Shi, J., et al. Nature 460(7256):753-757(2009) Benyamin, B., et al. Am. J. Hum. Genet. 84(1):60-65(2009) Kim, S.C., et al. Mol. Cell 23(4):607-618(2006) Beck, H.C., et al. Mol. Cell Proteomics 5(7):1314-1325(2006) Pavri, R., et al. Cell 125(4):703-717(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	20336754
NCBI GeneID	8970
NCBI Accession #	NP_066402.2
NCBI GenBank Nucleotide #	NM_021058.3
UniProt Accession #	P06899 ; O60816 ; B2R4J4
Molecular Weight	13904
NCBI Official Full Name	histone H2B type 1-J
NCBI Official Synonym Full Names	histone cluster 1, H2bj
NCBI Official Symbol	HIST1H2BJ
NCBI Official Synonym Symbols	H2BJ; H2B/r; H2BFR
NCBI Protein Information	histone H2B type 1-J
UniProt Protein Name	Histone H2B type 1-J
UniProt Gene Name	HIST1H2BJ
UniProt Synonym Gene Names	H2BFR; H2B/r
UniProt Entry Name	H2B1J_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

