Rabbit HIST1H2BC/HIST1H2BF Polyclonal Antibody | anti-HIST1H2BC antibody

HIST1H2BC/HIST1H2BF Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290318	**Rabbit**	**Human (Predicted Reactivity: Xenopus, Mouse, Bovine, Monkey, Chicken, Zebrafish)**	**ELISA, Western Blot**

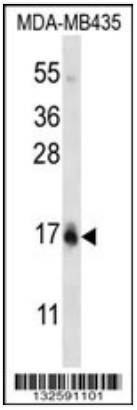
PRODUCT SYNONYMS

HIST1H2BC/HIST1H2BF; Polyclonal Antibody; HIST1H2BC/HIST1H2BF Antibody (N-term); Histone H2B type 1-C/E/F/G/I; Histone H2B1 A; Histone H2Ba; H2B/a; Histone H2Bg; H2B/g; Histone H2Bh; H2B/h; Histone H2Bk; H2B/k; Histone H2Bl; H2B/l; HIST1H2BC; H2BFL; anti-HIST1H2BC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Xenopus, Mouse, Bovine, Monkey, Chicken, Zebrafish)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HIST1H2BC/HIST1H2BF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HIST1H2BC/HIST1H2BF.
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.
Sequence Positions	1-30
Sequence Length	126
Applicable Applications for anti-HIST1H2BC antibody	ELISA, WB (Western Blot)
Calculated MW	13906
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.
Preparation and 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.

IMAGES



WB (Western Blot)
HIST1H2BC/HIST1H2BF Antibody (N-term) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the HIST1H2BC/HIST1H2BF antibody detected the HIST1H2BC/HIST1H2BF protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-HIST1H2BC 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. This gene is intronless and encodes a member of the histone H2B family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.
References	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) Bonenfant, D., et al. Mol. Cell Proteomics 5(3):541-552(2006) Siuti, N., et al. J. Proteome Res. 5(2):233-239(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504257
NCBI GeneID	8339
NCBI Accession #	NP_003509.1; NP_003513.1; NP_003514.2; NP_003516.1; NP_003517.2; NP_066407.1
NCBI GenBank Nucleotide #	NM_003518.3
UniProt Accession #	P62807; P02278; Q3B872; Q4VB69; Q93078; Q93080
NCBI Official Full Name	histone H2B type 1-C/E/F/G/I
NCBI Official Synonym Full Names	histone cluster 1, H2bg
NCBI Official Symbol	HIST1H2BG
NCBI Official Synonym Symbols	H2B/a; H2BFA; H2B.1A; dJ221C16.8
NCBI Protein Information	histone H2B type 1-C/E/F/G/I
UniProt Protein Name	Histone H2B type 1-C/E/F/G/I
UniProt Gene Name	**HIST1H2BC**
UniProt Synonym Gene Names	H2BFL; H2B/a; H2B/g; H2B/h; H2B/k; H2B/l
UniProt Entry Name	H2B1C_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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/hist1h2bc-hist1h2bf-antibody-western-blot-elisa/290318