Hist2h2bf Antibody (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	HIST2H2BF, Blocking Peptide
Full Product Name	HIST2H2BF Antibody (N-term) Blocking Peptide
Product Gene Name	HIST2H2BF blocking peptide
Product Synonym Names	Histone H2B type 2-F; HIST2H2BF
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	HIST2H2BF peptide (MBS9221611) is used for blocking the activity of HIST2H2BF antibody (MBS9209875)
Molecular Weight	14,841 Da
Cellular Location	Nucleus. Chromosome.
Related Product Information for HIST2H2BF blocking peptide	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.
Other Notes	Small volumes of HIST2H2BF blocking peptide 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 HIST2H2BF purchase	MBS9221611 is a blocking peptide targeting HIST2H2BF. Also known as HIST2H2BF Antibody (N-term) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HIST2H2BF. It may not necessarily be applicable to this product.

NCBI GI #	74743113
NCBI GeneID	440689
NCBI Accession #	Q5QNW6.3
UniProt Primary Accession #	Q5QNW6
UniProt Secondary Accession #	A8K0U9; B4DLA9
UniProt Related Accession #	Q5QNW6
NCBI Official Full Name	Histone H2B type 2-F
NCBI Official Synonym Full Names	histone cluster 2, H2bf
NCBI Official Symbol	HIST2H2BF
UniProt Protein Name	Histone H2B type 2-F
Protein Family	Histone
UniProt Gene Name	HIST2H2BF

UniProt Entry Name	H2B2F_HUMAN
NCBI Protein Information	histone H2B type 2-F
NCBI Summary for HIST2H2BF	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 encodes a replication-dependent histone that is a member of the histone H2B family and is found in a histone cluster on chromosome 1. [provided by RefSeq, Aug 2015]
UniProt Comments for HIST2H2BF	H2B2F: a core component of the nucleoosome. The nucleosome, a basic organizational unit of chromosomal DNA, is octrameric, consisting of two molecules each of histones H2B, H2A, H3, H4. The octamer wraps approximately 147 bp of DNA. 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. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 1q21.2 Cellular Component: cytoplasm; nucleoplasm; nucleus Molecular Function: DNA binding Biological Process: nucleosome assembly
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