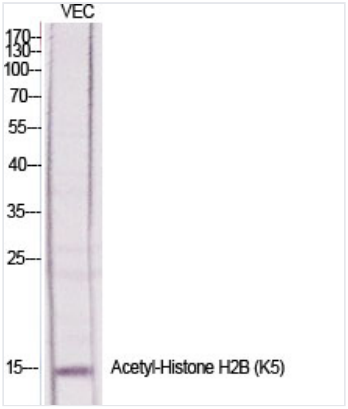
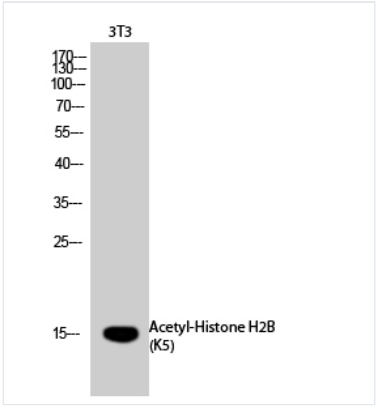
Histone H2B (H2B) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Histone H2B, Polyclonal Antibody
Full Product Name	Histone H2B (Acetyl Lys5) Polyclonal Antibody
Product Gene Name	anti-H2B antibody
Product Synonym Gene Name	H2BS1
Product Synonym Names	H2BFS; Histone H2B type F-S; Histone H2B.s; H2B/s
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	13,944 Da
3D Structure	ModBase 3D Structure for P57053
Applications Tested/Suitable for anti-H2B antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P), Immunofluorescence (IF)
Related Product Information for anti-H2B antibody	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 anti-H2B 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 H2B purchase	MBS9241311 is an antibody targeting H2B. Also known as Histone H2B (Acetyl Lys5) Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Wester Blot (WB) of anti-H2B antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.



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ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for H2B. It may not necessarily be applicable to this product.

NCBI GI #	578836330
NCBI GeneID	102724334
NCBI Accession #	XP_006723981.1
UniProt Primary Accession #	P57053
UniProt Secondary Accession #	Q5R2W0; A0AVF9
GenBank Nucleotide #	XM_006723918.1
NCBI Official Full Name	histone H2B type F-S-like
NCBI Official Symbol	LOC102724334
UniProt Protein Name	Histone H2B type F-S
UniProt Synonym Protein Names	Histone H2B.s; H2B/s
Protein Family	Histone H2B subacrosomal
UniProt Gene Name	H2BFS
UniProt Synonym Gene Names	H2B/s
UniProt Entry Name	H2BFS_HUMAN
NCBI Protein Information	histone H2B type F-S-like
UniProt Comments for H2B	H2BFS: 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: 21q22.3 Cellular Component: extracellular space; nucleosome; nucleus Molecular Function: DNA binding; protein heterodimerization activity Biological Process: defense response to Gram-positive bacterium; substantia nigra development; innate immune response in mucosa; antibacterial humoral response
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