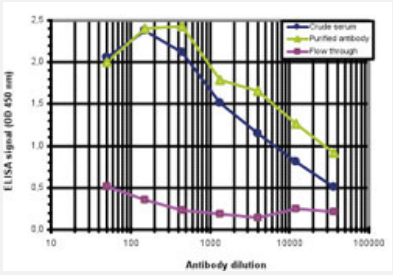
Histone H2B pan polyclonal antibody

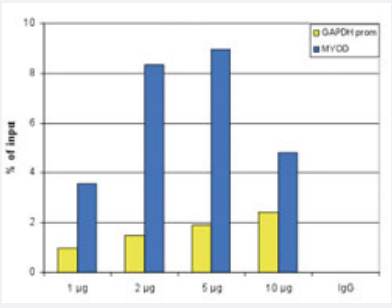
Catalog # PAB31259 Size 50 ug

Applications



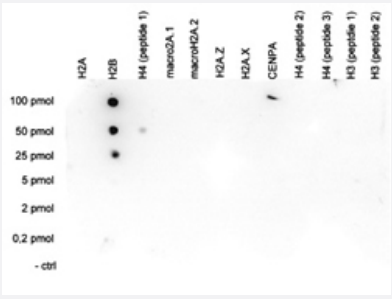
Enzyme-linked Immunoabsorbent Assay

ELISA is a quantitative method used to determine the titer of the antibody using a serial dilution of crude serum and flow through in antigen coated wells. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be 1:14950.



ChIP

ChIP assays were performed using human HeLa cells. A titration of the antibody consisting of 1, 2, 5, and 10 ug per ChIP experiment was analysed. IgG (5 ug/IP) was used as negative IP control. QPCR was performed with primers for the GAPDH promoter and for the inactive MYOD gene. The figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).



Dot Blot

Cross reactivity test using the Histone H2B (pan) antibody.
Dot Blot analysis was performed with the peptide used for immunization of the rabbit and other peptides containing unmodified sequences of different histones. One hundred to 0.2 pmol of the respective peptides were spotted on a membrane. The antibody was used at a dilution of 1:20000 and shows a high specificity of the antibody for the H2B peptide.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of Histone H2B pan.

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Immunogen	A synthetic peptide (conjugated with KLH) corresponding to unmodified sequence at C-terminus of human histone H2B pan.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Recommend Usage	ELISA (1:500) ChIP (2 ug/CHIP) Dot Blot (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide, 0.05% proclin 300).
Storage Instruction	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- ### Enzyme-linked Immunoabsorbent Assay

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- ### ChIP

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Gene Info — HIST1H2BC

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Entrez GeneID	8347
Protein Accession#	P62807
Gene Name	HIST1H2BC
Gene Alias	H2B.1, H2B/l, H2BFL, MGC104246, dJ221C16.3
Gene Description	histone cluster 1, H2bc
Omim ID	602847
Gene Ontology	Hyperlink
Gene Summary	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chro mosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, an d 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 f unctions in the compaction of chromatin into higher order structures. This gene is intronless and e ncodes a member of the histone H2B family. Transcripts from this gene lack polyA tails but instea d contain a palindromic termination element. This gene is found in the large histone gene cluster o n chromosome 6. [provided by RefSeq
Other Designations	H2B histone family, member L|OTTHUMP00000016141|histone 1, H2bc

Pathway

- Systemic lupus erythematosus

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