



Mouse Monoclonal Antibody **Histone H2B** conjugated to Sepharose Beads

CatalogNo: **ANT8262-M**

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

Histone H2B (ANT0020R) Rabbit mAb

Formulation: Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg ANaN3.

Host Species

- Rabbit
- Human, Mouse, Rat,

Reactivity

- WB, IHC, IF, IP, ELISA

Applications

MW

- 14kD (Calculated)
- 14kD (Observed)
- IgG, Kappa

Isotype

Recommended Dilution Ratios

IP

Basic Information

Clonality

Monoclonal

Clone Number ANT0020R

Immunogen Information

Specificity Endogenous

Gene name HIST1H2BC H2BFL; HIST1H2BE H2BFH; HIST1H2BF H2BFG; HIST1H2BG H2BFA; HIST1H2BI H2BFK

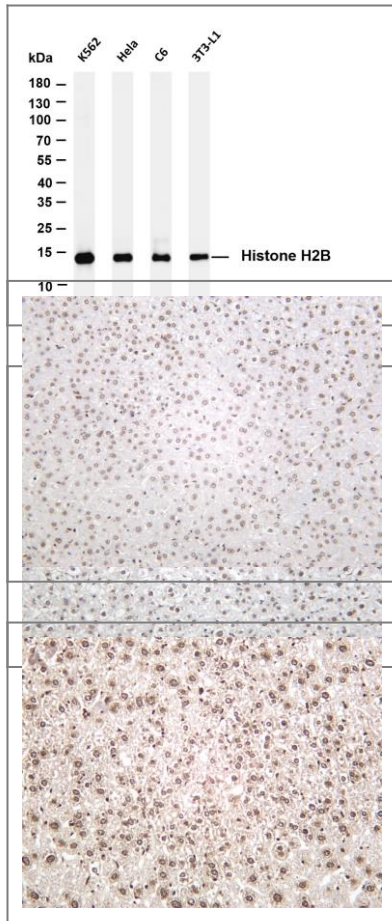
Protein Name Histone H2B (Acetyl Lys35)

Organism		Gene ID	UniProt ID
Human		3017 ;	P62807 ; P58876 ; Q93079 ; O60814 ; Q99880 ; Q99879 ; Q99877 ;
			Q5QNW6 ; P57053 ;
Mouse		319179 ;	Q6ZWY9 ;

Cellular
Localization Nucleus

Function 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.,miscellaneous:The mouse orthologous protein seems not to exist.,ANTM:Monoubiquitination of Lys-121 by the RNF20/40 complex gives a specific tag for epigenetic transcriptional activation and is also prerequisite for histone H3 'Lys-4' and 'Lys-79' methylation. It also functions cooperatively with the FACT dimer to stimulate elongation by RNA polymerase II.,PTM:Phosphorylated on Ser-15 by STK4/MST1 during apoptosis; which facilitates apoptotic chromatin condensation. Also phosphorylated on Ser-15 in response to DNA double strand breaks (DSBs), and in correlation with somatic hypermutation and immunoglobulin class-switch recombination.,similarity:Belongs to the histone H2B family.,subunit:The nucleosome is a histone octamer containing two molecules each of H2A, H2B, H3 and H4 assembled in one H3-H4 heterotetramer and two H2A-H2B heterodimers. The octamer wraps approximately 147 bp of DNA.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Histone H2B (ANT0020R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: K562 Lane 2: HeLa Lane 3: C6 Lane 4: 3T3-L1 Predicted band size: 14kDa Observed band size: 14kDa

Rat liver was stained with anti-Histone H2B (ANT0020R) rabbit antibody
Human liver was stained with anti-Histone H2B (ANT0020R) rabbit antibody

Mouse liver was stained with anti-Histone H2B (ANT0020R) rabbit antibody

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