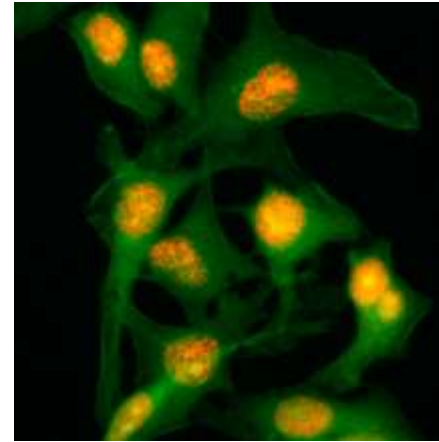


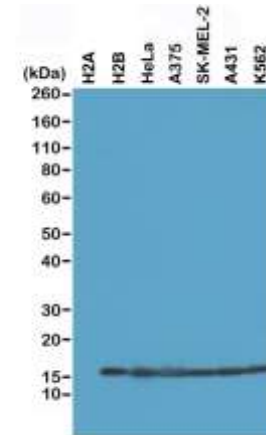
Anti-Histone H2B Rabbit Monoclonal Antibody

CATALOG NO:	A1144-50
ALTERNATIVE NAMES:	Histone H2B type 1-J, Histone H2B.1, Histone H2B.r, H2B/r
AMOUNT:	25 µg
CONCENTRATION:	1 mg/ml
CLONE:	RM230
IMMUNOGEN:	A peptide corresponding to the C-terminus of human Histone H2B
HOST/ISOTYPE:	Rabbit IgG
SPECIES REACTIVITY:	Human
PURIFICATION:	Protein A affinity purified from an animal origin-free culture supernatant
FORM:	Liquid
FORMULATION:	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
SPECIFICITY:	This antibody reacts to the Histone H2B protein, independent of post-translational modifications. No cross reactivity with other histone proteins.
STORAGE CONDITIONS:	For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	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. Has broad antibacterial activity. May contribute to the formation of the functional antimicrobial barrier of the colonic epithelium and to the bactericidal activity of amniotic fluid.
APPLICATION:	Western Blot: 0.1 µg/mL – 1 µg/mL ICC: 0.5 µg/mL - 1 µg/mL ELISA: 0.2 µg/mL - 1 µg/mL Multiplex: 0.2 µg/mL – 1 µg/mL

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Immunocytochemical staining of HeLa cells, using Anti- Histone H2B Rabbit mAb (red). Actin filaments have been labeled with fluorescein phalloidin (green)



Western Blot of recombinant Histone H2A, H2B, the whole cell lysates of HeLa, A375, SK-MEL-2, A431, and K562, using Anti- Histone H2B Rabbit mAb at 0.2 µg/mL

RELATED PRODUCTS:

- Histone H2A (1-129 aa), Xenopus recombinant (**Cat. No. 7668-100**)
- Histone H2A Antibody (**Cat. No. 3621-100**)
- Histone H2A Peptide (**Cat. No. 7145-01**)
- Histone H2AX Antibody (**Cat. No. 3761-100**)
- Histone H2A Blocking Peptide (**Cat. No. 3621BP-50**)

FOR RESEARCH USE ONLY! Not to be used on humans.