

Anti-Histone H2B Rabbit Monoclonal Antibody

Rabbit Monoclonal Antibody

Catalog # ABV11838

Product Information

Application	WB, ICC, E
Primary Accession	P06899
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	13904

Additional Information

Gene ID	8970
Positive Control	WB: HeLa, A375, SK-MEL-2, A431, and K562 cell lysates; ICC: HeLa cells
Application & Usage	Western Blot: 0.1 ug/mL – 1 ug/mL; ICC: 0.5 μ g/mL - 1 μ g/mL; ELISA: 0.2 ug/mL - 1 ug/mL; Multiplex: 0.2 ug/mL – 1 ug/mL.
Alias Symbol	HIST1H2BJ
Other Names	Histone H2B type 1-J, Histone H2B.1, Histone H2B.r, H2B/r
Appearance	Colorless liquid
Formulation	In 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-Histone H2B Rabbit Monoclonal Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

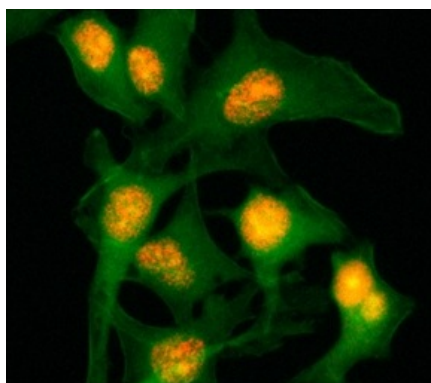
Protein Information

Name	H2BC11 (HGNC:4761)
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.
Cellular Location	Nucleus. Chromosome.

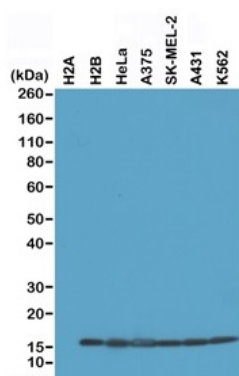
Background

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.

Images



Immunocytochemistry 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 0.2ug/ml.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.