

Histone H2B Monoclonal Antibody

Cat #: ABM0050

Size: 100μl

Product Information

	Product Name: Histone H2B Monoclonal Antibody		
	Applications: WB, IF		Isotype: Mouse IgG1
	Reactivity: Human, Mouse, Rat		
REF	Catalog Number: ABM0050	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. HIST1H2BB is intronless and encodes a replication-dependent histone that is a member of the histone H2B family. Transcripts from HIST1H2BB lack polyA tails; instead, they contain a palindromic termination element. HIST1H2BB is found in the large histone gene cluster on chromosome 6p22-p21.3.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1000-1:3000), IF (1:100-1:200).

Storage Buffer: PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

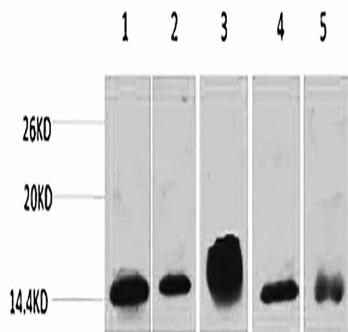


Fig.1. Western blot analysis of 1) Hela, 2) 3T3, 3) Raw264.7, 4) rat brain, 5) Rat Kidney, diluted at 1:2000.

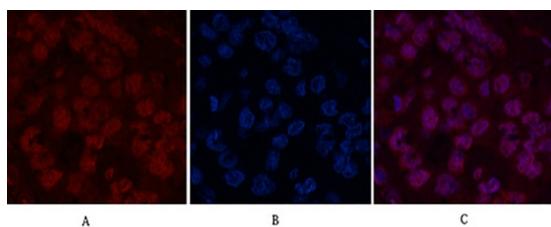


Fig.2. Immunofluorescence analysis of human liver cancer tissue. 1, Histone H2B Monoclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

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