

## Histone H2B Monoclonal Antibody(Mix)

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA0047
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Synthetic Peptide of Histone H2B
<b>Mol wt</b>	13950
<b>Species reactivity</b>	Human,Mouse,Rat
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB, IF, ICC,
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Histone H2B type 1-B
<b>Synonyms</b>	HIST1H2BB; H2BFF; Histone H2B type 1-B; Histone H2B.1; Histone H2B.f; H2B; f

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### 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. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H2B family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

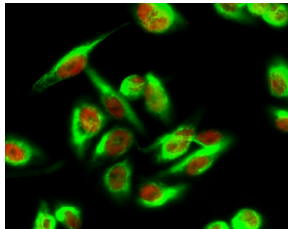
### Recommended Dilution

IF: 1:200

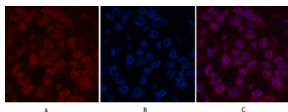
WB: 1:1000-3000

Not yet tested in other applications.

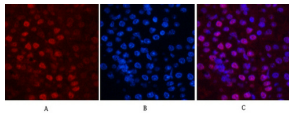
### Images



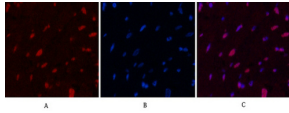
Immunofluorescence analysis of HeLa cell. Brp44L Polyclonal Antibody(green) was diluted at 1:200(4°C overnight). (red) was diluted at 1:200(4°C overnight).



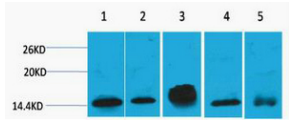
Immunofluorescence analysis of Human-liver-cancer tissue. 1.Histone H2B Monoclonal antibody(Mix)(red) was diluted at 1:200(4°C,overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge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



Immunofluorescence analysis of Mouse-kidney tissue. 1.Histone H2B Monoclonal antibody(Mix) (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



Immunofluorescence analysis of Rat-heart tissue. 1.Histone H2B Monoclonal antibody(Mix)(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



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

### Storage

-20°C for one year

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