Histone H2B Monoclonal Antibody

Catalog Number:E-AB-22086

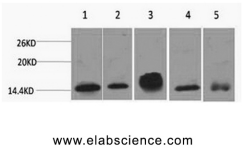
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

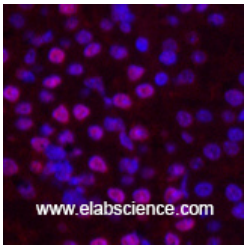
Reactivity	Human,Mouse,Rat
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG
Clone	Clone:3C3
Purification	Protein A purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.

Applications	Recommended Dilution
WB	1:1000-3000
IF	1:100-200

Data



Western Blot analysis of 1) Hela, 2) 3T3, 3) Raw264.7, 4) Rat brain, 5) Rat kidney using Histone H2B Monoclonal Antibody at dilution of 1:2000.
Observed Mw:14kDa
Calculated Mw:14kDa



Immunofluorescence analysis of Mouse kidney tissue using Histone H2B Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

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. HIST1H2BB (Histone Cluster 1 H2B Family Member B) is a Protein Coding gene. Among its related pathways are DNA Double-Strand Break Repair and Activated PKN1 stimulates transcription of AR (androgen receptor) regulated genes KLK2 and KLK3. GO annotations related to this gene include sequence-specific DNA binding and protein heterodimerization activity. An important paralog of this gene is HIST1H2BN.

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