



Histone H2B

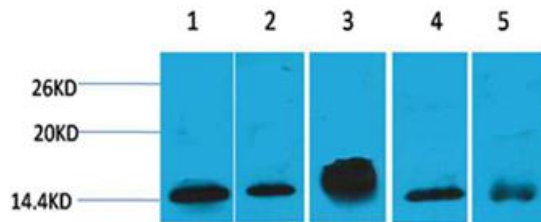
Mouse monoclonal Antibody

#55019

Catalog Number: 55019**Amount:** 100µg/100µl**Swiss-Prot No. :** P33778**GENE ID:** 3018**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of Histone H2B and does not cross-react with related proteins**Alternative Names:** HIST1H2BB; H2BFF; Histone H2B type 1-B; Histone H2B.1; Histone H2B.f; H2B/f**Reactivity:** Human, Mouse, Rat**Applications:**

Predicted MW: 14kd

WB: 1:1000-2000



Western blot analysis of 1) Hela, 2) 3T3, 3) Raw264.7, 4) Rat Brain, 5) Rat Kidney, using Histone H2B Mouse mAb

Background: H2B is a core component of the nucleosome. The nucleosome, a basic organizational unit of chromosomal DNA, is octameric, consisting of two molecules each of histones H2B, H2A, H3, H4. The octamer wraps approximately 147 bp of DNA. 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.