

## Histone H2B Ab

Cat.#: AF0873  
Size: 100ul,200ul

Concn.: 1mg/ml  
Source: Rabbit

Mol.Wt.: 14kDa  
Clonality: Polyclonal

Application: WB 1:500-1:2000 IHC 1:50-1:200

Reactivity: Human, Mouse

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Specificity: Histone H2B Ab detects endogenous levels of Histone H2B.

Immunogen: A synthesized peptide derived from human Histone H2B.

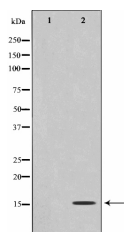
Uniprot: P57053

Description: H2BFS 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.

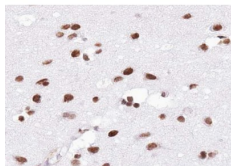
Subcellular Location: Nucleus;

Similarity: Belongs to the histone H2B family.

Storage Condition and Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.



Western blot analysis on COS7 cell lysates using Histone H2B Ab. The lane on the left was treated with the antigen-specific peptide.



AF0873 at 1/100 staining human Brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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