

## Histone H2B (Acetyl Lys5) Polyclonal Antibody

<b>Catalog No :</b>	YK0003
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Histone H2B
<b>Fields :</b>	>>Neutrophil extracellular trap formation;>>Alcoholism;>>Viral carcinogenesis;>>Systemic lupus erythematosus
<b>Gene Name :</b>	H2BFS
<b>Protein Name :</b>	Histone H2B type F-S
<b>Human Gene Id :</b>	54145
<b>Human Swiss Prot No :</b>	P57053
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Histone H2B around the acetylated site of Lys5. AA range:1-50
<b>Specificity :</b>	Acetyl-Histone H2B (K5) Polyclonal Antibody detects endogenous levels of Histone H2B protein only when acetylated at K5.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 18kD

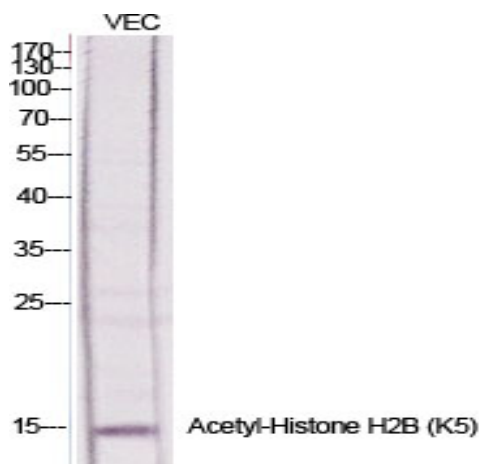
**Cell Pathway :** Protein\_Acetylation

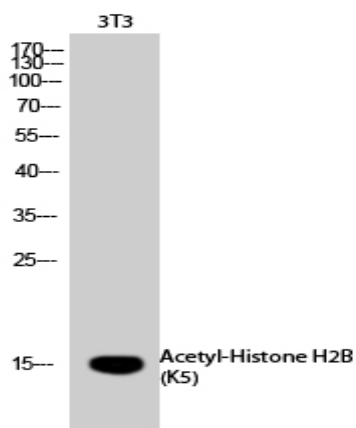
**Background :** Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). 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 member of the histone H2B family. Transcripts from this gene contain a palindromic termination element.

**Function :** DNA packaging, chromatin organization, chromatin assembly or disassembly, nucleosome assembly, defense response, response to bacterium, chromatin assembly, cellular macromolecular complex subunit organization, cellular macromolecular complex assembly, nucleosome organization, defense response to bacterium, macromolecular complex subunit organization, chromosome organization, macromolecular complex assembly, protein-DNA complex assembly,

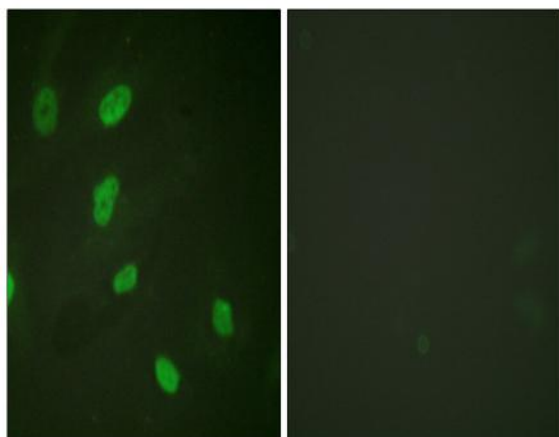
**Subcellular Location :** Nucleus. Chromosome.

## Products Images

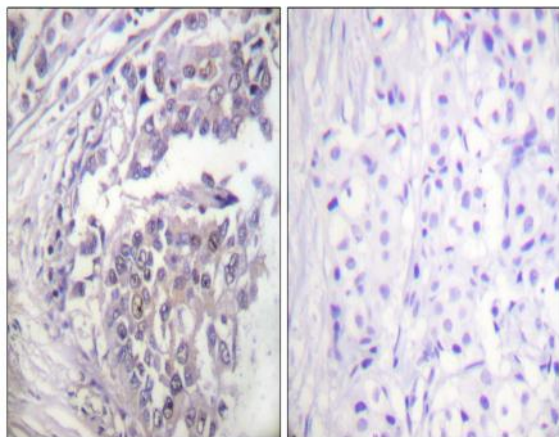




Western Blot analysis of 3T3 cells using Acetyl-Histone H2B (K5) Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunofluorescence analysis of HeLa cells, using Histone H2B (Acetyl-Lys5) Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Histone H2B (Acetyl-Lys5) Antibody. The picture on the right is blocked with the synthesized peptide.