

Histone H2B (Acetyl Lys5) Polyclonal Antibody

Catalog No: YK0003

Reactivity: Human; Mouse

Applications: WB;IHC;IF;ELISA

Target: Histone H2B

Fields: >>Neutrophil extracellular trap formation;>>Alcoholism;>>Viral

carcinogenesis;>>Systemic lupus erythematosus

Gene Name: H2BFS

Protein Name: Histone H2B type F-S

P57053

Human Gene Id: 54145

Human Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

Histone H2B around the acetylated site of Lys5. AA range:1-50

Specificity: Acetyl-Histone H2B (K5) Polyclonal Antibody detects endogenous levels of

Histone H2B protein only when acetylated at K5.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not

yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -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

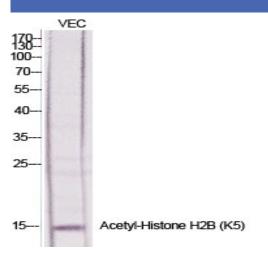
organization, chromosome organization, macromolecular complex

assembly, protein-DNA complex assembly,

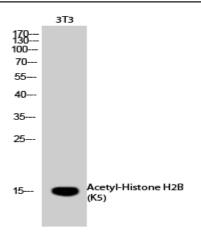
Subcellular Location:

Nucleus. Chromosome.

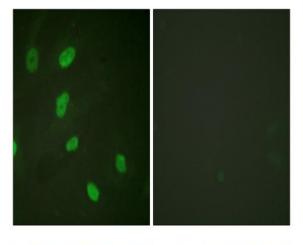




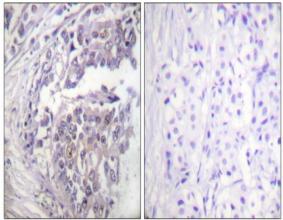
Western Blot analysis of various cells using Acetyl-Histone H2B (K5) Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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.