

**Product Name: Histone H2B (Acetyl Lys5) Rabbit Polyclonal Antibody****Catalog #: APRab06198**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Acetylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	18kDa

**Antigen Information**

<b>Gene Name</b>	H2BFS
<b>Alternative Names</b>	H2BFS; Histone H2B type F-S; Histone H2B.s; H2B/s;H2BK5AC
<b>Gene ID</b>	54145.0
<b>SwissProt ID</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

**Background**

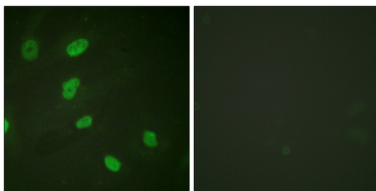
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes.

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. 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,

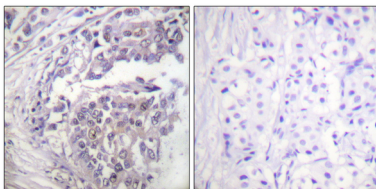
## Research Area

Protein\_Acetylation

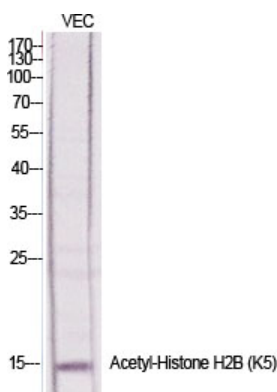
## Image Data



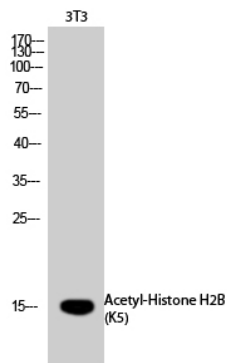
Immunofluorescence analysis of HeLa cells, using Histone H2B (Acetyl-Lys5) Antibody. The picture on the right is blocked with the synthesized peptide.



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.



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



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