

---

**Product Name: Histone H2B Rabbit Polyclonal Antibody****Catalog #: APRab12063**

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,Monkey
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<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 1:5000-1:10000
<b>Molecular Weight</b>	14kDa

**Antigen Information**

<b>Gene Name</b>	H2BFS
<b>Alternative Names</b>	H2BFS; Histone H2B type F-S; Histone H2B.s; H2B/s
<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. AA range:10-59

**Background**

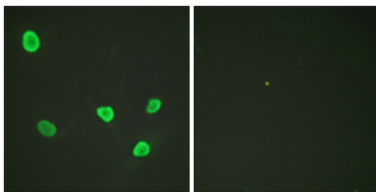
H2BFS is a Pseudogene. Histone H2B type 1-H is a core component of nucleosome. Nucleosomes wrap and compact DNA into

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. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Has broad antibacterial activity. May contribute to the formation of the functional antimicrobial barrier of the colonic epithelium, and to the bactericidal activity of amniotic fluid. Diseases associated with H2BFS include endometrial stromal sarcoma. Among its related pathways are Packaging Of Telomere Ends. Gene Ontology (GO) annotations related to this gene include sequence-specific DNA binding and protein heterodimerization activity. An important paralog of this gene is HIST1H2BH. 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,

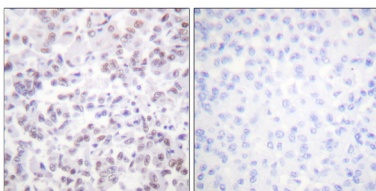
## Research Area

Protein\_Acetylation

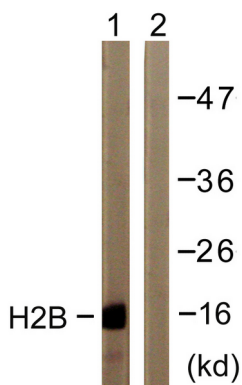
## Image Data



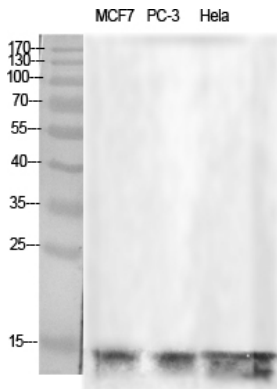
Immunofluorescence analysis of HeLa cells, using Histone H2B Antibody. The picture on the right is blocked with the synthesized peptide.



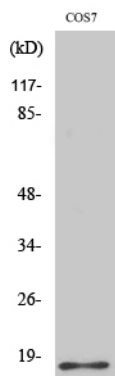
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Histone H2B Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells, treated with TSA 400nM 24h, using Histone H2B Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Histone H2B Polyclonal Antibody diluted at 1: 1000.



Western Blot analysis of COS7 cells using Histone H2B Polyclonal Antibody diluted at 1: 1000.