

## Histone H2B (Acetyl Lys126) Polyclonal Antibody

Catalog No :	YK0027
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	Histone H2B
Fields :	>>Neutrophil extracellular trap formation;>>Alcoholism;>>Viral carcinogenesis;>>Systemic lupus erythematosus
Gene Name :	HIST1H2BC
Protein Name :	Histone H2B type 1-A/Histone H2B type 1-B/Histone H2B type 1-C/E/F/G/I
Human Gene Id :	255626
Human Swiss Prot	Q96A08
No : Mouse Gene Id :	319177
Mouse Swiss Prot	P70696
No : Rat Gene Id :	24829
Rat Swiss Prot No :	Q00729
Immunogen :	The antiserum was produced against synthesized Acetyl-peptide derived from human H2B around the Acetylation site of Lys126. AA range:78-127
Specificity :	Acetyl-Histone H2B (K126) Polyclonal Antibody detects endogenous levels of Histone H2B protein only when acetylated at K126.
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. ELISA: 1:20000. Not yet tested in other applications.



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Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-
	chromatography using epitope-specific immunogen.
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Concentration :	1 mg/m
Storage Stability :	-15°C to -25°C/1 vear(Do not lower than -25°C)
Observed Band :	15kD
Coll Pathway :	Systemic lunus ervthematosus:
Centratiway.	
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 histories (H2A, H2B, H3, and H4). The chromatin
	fiber is further compacted through the interaction of a linker historie H1 with the
	DNA between the nucleosomes to form higher order chromatin structures. This
	and in introduces and appendix a raplication dependent biotom that is a
	gene is introniess and encodes a replication-dependent historie that is a
	testis/sperm-specific member of the histone H2B family. I ranscripts from this
	gene contain a palindromic termination element. [provided by RefSeq, Aug 2015],
Eunction :	function:Core component of nucleosome. Nucleosomes wrap and compact DNA
i dilotion :	into chromatin, limiting DNA accessibility to the cellular machineries which require
	DNA as a tomplate. Histories thereby play a contral role in transcription
	regulation DNA ranging DNA rangiagtion and chromosomal stability DNA
	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.,PTM:Monoubiquitination of Lys-122 by the RNF20/40 complex gives
	a specific tag for epigenetic transcriptional activation and is also prerequisite for
	histone H3 'Lys-4' and 'Lys-79' methylation. It also functions cooperatively with
	the FACT dimer to stimulate elongation by RNA polymerase II., similarity: Belongs
	to the histone H2B familysubunit: The nucleosome is a histone octamer
	containing two molecules each of H2A_H2B_H3 and H4 assembled in one
Subcellular	Nucleus . Chromosome .
Location :	
Everagion	Mainly expressed in testia, and the corresponding protein is also present in
Expression :	Mainly expressed in testis, and the corresponding protein is also present in
	mature sperm (at protein level). Also found in some fat cells.
Sort :	7454
No4 :	1
Host :	Babbit
1031.	
Modifications :	Acetyl







Western Blot analysis of A549 cells using Acetyl-Histone H2B (K126) Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000