

Histone H2B (Acetyl Lys21) Polyclonal Antibody

Catalog No :	YK0079
Reactivity :	Human;Rat;Mouse
Applications :	WB;ELISA
Target :	Histone H2B
Fields :	>>Neutrophil extracellular trap formation;>>Alcoholism;>>Viral carcinogenesis;>>Systemic lupus erythematosus
Gene Name :	Histone H2B
Protein Name :	Histone H2B
Human Gene Id :	255626
Human Swiss Prot No :	Q96A08/P33778/P62807
Immunogen :	Synthetic Acetyl peptide from human protein at AA range: 21
Specificity :	The antibody detects endogenous Histone H2B when Acetyl occurs at Lys21
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000, ELISA 1:10000-20000
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 :	15kD

Cell Pathway :	Systemic lupus erythematosus;
Background :	<p>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 replication-dependent histone that is a testis/sperm-specific member of the histone H2B family. Transcripts from this gene contain a palindromic termination element. [provided by RefSeq, Aug 2015],</p>
Function :	<p>function: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.,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 family.,subunit:The nucleosome is a histone octamer containing two molecules each of H2A, H2B, H3 and H4 assembled in one</p>
Subcellular Location :	Nucleus . Chromosome .
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 :	7461
No4 :	1
Host :	Rabbit
Modifications :	Acetyl

Products Images

Western blot analysis of 3T3 mouse-kidney KB K562 Hela lysate, antibody was diluted at 2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

