www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-Histone H2B (Ser-36), Phosphospecific Antibody

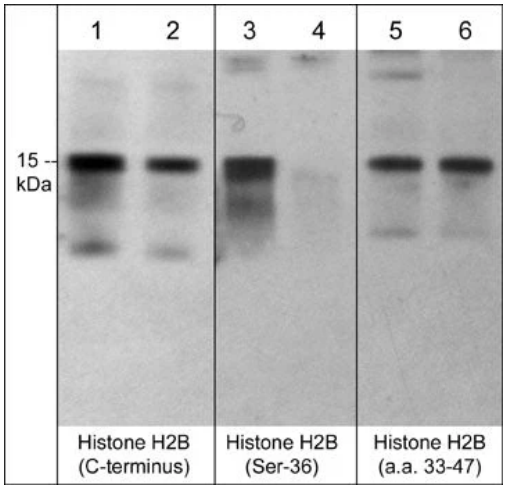
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:HP4331)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	H2BC3
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:500
Species Reactivity	Human, Mouse, Rat
Immunogen	Phospho-Histone H2B (Ser-36) synthetic peptide (coupled to carrier protein) corresponds to amino acids surrounding Ser-36 in human histone H2B. This sequence is well conserved in most isoforms of rat and mouse histone H2B, and has low homology to other histone family members.
Specificity	The antibody detects a 15 kDa* protein corresponding to the molecular mass of Histone H2B on SDS-PAGE immunoblots of human Jurkat cells treated with Calyculin A, and this reactivity is reduced after lambda phosphatase treatment.
Molecular Weight	15
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.

UniProt ID	P33778 UniProt Summary: 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.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser-36
NCBI Gene ID	3018

Product Images



Western blot analysis of human Jurkat cells treated with calyculin A (100 nM) for 30 min. (lanes 1, 3, & 5) then the blots were treated with lambda phosphatase (lanes 2, 4, & 6). The blots were probed with anti-Histone H2B (C-terminus) (lanes 1 & 2), anti-Histone H2B (Ser-36) (lanes 3 & 4), and anti-Histone H2B (a.a. 33-47) (lanes 5 & 6).