Data Sheet (Cat.No.TMAB-07089)

Anti-Crotonyl-Histone H2B (Lys15/Lys16/Lys20) Antibody (9A793)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 14 kDa. Actual: 14 kDa.
Clone:	9A793
Purification:	Protein A purified

Applications

Verified Activity:	1. Blocking buffer: 5% NFDM/TBST Primary Ab dilution: 1: 2000 Primary Ab incubation condition: 2 hours at room temperature Secondary Ab: (-): MCF-7, (+): MCF-7+sodium butyrate (50mM, 24 h)+trichostain A (500 ng/ml, 4 hr) Protein loading quantity: 20 μg Exposure time: 60 s Predicted MW: 14 kDa Observed MW: 14 kDa 2. Blocking buffer: 5% NFDM/TBST Primary Ab dilution: 1: 2000 Primary Ab incubation condition: 2 hours at room temperature Secondary Ab: (-): HeLa, (+): HeLa+sodium butyrate (30 mM, 4 h) Protein loading quantity: 20 μg Exposure time: 60 s Predicted MW: 14 kDa Observed MW: 14 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated Synthesised acetylpeptide: human Histone H2B around the Crotonyl site of Lys15 / Lys16 / Lys20
Antigen Species:	Human
Gene ID:	3018
Uniprot ID:	P33778

Research 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 lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Jul 2008].

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