

## 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].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481