

## Anti-Acetyl-Histone H2B (Lys15) Antibody (7Q811)

## Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat)
Molecular Weight:	Theoretical: 14 kDa.
Clone:	7Q811
Purification:	Protein G purified

## Applications

	Blocking buffer: 5% NFDM/TBST
	Primary ab dilution: 1: 2000
	Primary ab incubation condition: 2 hours at room temperature
	Secondary ab: Goat Anti-Mouse IgG H&L (HRP)
Verified Activity:	Lysate: (-) HeLa, (+) HeLa+Sodium butyrate (30 mM, 4 h)+Trichostatin A (2 $\mu$ M, 4 h)
	Protein loading quantity: 20 $\mu$ g
	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 synthetic peptide: human Histone H2B (Acetyl K15)
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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481