

**Product Name: MonoMethyl-Histone H2B (Arg79) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe04022**

For research use only.

## Summary

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Methylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% protective protein.
<b>Purification</b>	Affinity Purification

## Application

<b>Dilution Ratio</b>	WB 1:500-1:1000
<b>Molecular Weight</b>	Calculated MW:14 kDa;Observed MW: 14 kDa

## Antigen Information

<b>Gene Name</b>	H2BC21
<b>Alternative Names</b>	H2BR79me; H2B; H2BQ; GL105; H2B.1; H2BFQ; H2BGL105
<b>Gene ID</b>	3018
<b>SwissProt ID</b>	P33778
<b>Immunogen</b>	A synthetic Methylated peptide corresponding to residues target protein

## Background

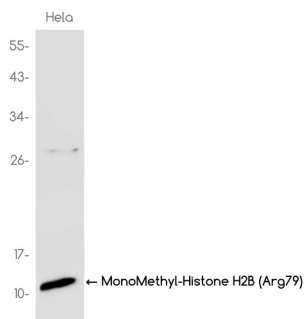
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp

of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a member of the histone H2B family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif.

## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of MonoMethyl-Histone H2B (Arg79) in HeLa lysates using MonoMethyl-Histone H2B (Arg79) antibody.