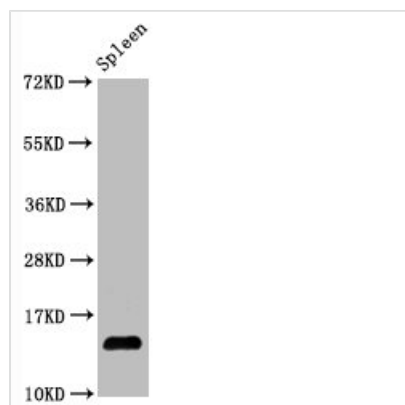




Hydroxyl-Histone H2A type 1-B/E (Y39) Recombinant Monoclonal Antibody

Product Code	CSB-RA010385A39ohHU
Abbreviation	Histone H2A type 1-B/E
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P04908
Immunogen	A synthesized peptide
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:2000
Relevance	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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	Histone H2A type 1-B/E, Histone H2A.2, Histone H2A/a, Histone H2A/m, HIST1H2AB, H2AFM, AND, HIST1H2AE, H2AFA
Immunogen Species	Homo sapiens (Human)
Research Area	Epigenetics and Nuclear Signaling
Gene Names	HIST1H2AB
Clone No.	3B12
Image	


Western Blot

Positive WB detected in Mouse spleen tissue All lanes Hydroxyl-Histone H2A type 1-B/E (Y39) antibody at 1.05μg/ml

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 14 KDa

Observed band size: 14 KDa

Description

The development of the hydroxyl-histone H2A type 1-B/E (Y39) recombinant monoclonal antibody starts with the cloning of genes encoding the HIST1H2AB antibody, comprising both heavy and light chains. These cloned genes are inserted into expression vectors, which are then transfected into host cells. The host cells are responsible for the production and secretion of the antibody. Following purification through affinity chromatography to ensure its purity, the antibody undergoes rigorous functionality testing across ELISA and WB applications, enabling precise detection of the human histone H2A type 1-B/E protein hydroxylated at Y39.