

RecomAb™

Histone H2A (hydroxyl Y39) recombinant monoclonal antibody, clone R04-5I3

Catalog # RAB04404 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human histone H2A.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic hydroxyl peptide corresponding to residues surrounding Y39 of human histone H2A.
Theoretical MW (kDa)	Calculated MW: 14 kD
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

- Immunohistochemistry

Gene Info — HIST1H2AE

Entrez GeneID	3012
Protein Accession#	P04908
Gene Name	HIST1H2AE
Gene Alias	H2A.1, H2A.2, H2A/a, H2AFA
Gene Description	histone cluster 1, H2ae
Omim ID	602786
Gene Ontology	Hyperlink
Gene Summary	<p>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 H2A 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]</p>
Other Designations	H2A histone family, member A histone 1, H2ae histone H2AE

Pathway

- [Systemic lupus erythematosus](#)