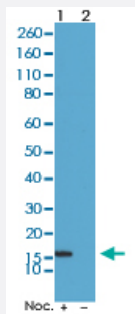


RecomAb™

Histone H2B (phospho S14) monoclonal antibody, clone RM238

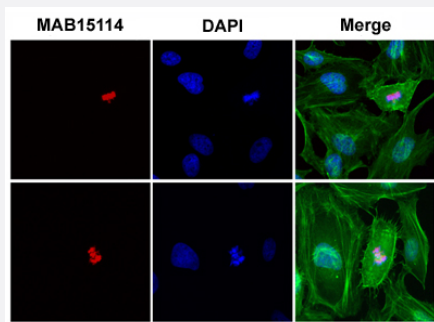
Catalog # MAB15114 Size 100 ug

Applications



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: acid extracts of HeLa cell treated with Nocodazole and Lane 2: acid extracts of HeLa cell with Histone H2B (phospho S14) monoclonal antibody, clone RM238 (Cat # MAB15114) at 0.5 ug/mL working concentration.



Immunocytochemistry

Immunocytochemistry staining of HeLa cells with Histone H2B (phospho S14) monoclonal antibody, clone RM238 (Cat # MAB15114) (Red) and DAPI (Blue). Actin filaments have been labeled with fluorescein phalloidin (Green).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against of human histone H2B (S14).
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding S14 of human Histone H2B.
Sequence	N/A
Reactivity	Human

Specificity	This antibody reacts to histone H2B only when phosphorylated at S14. No cross reactivity with other phosphorylated histones.
Form	Liquid
Purification	Protein A affinity purification
Isotype	IgG
Recommend Usage	ELISA (0.2-1 ug/mL) Immunocytochemistry (1-2 ug/mL) Multiplex (0.1-1 ug/mL) Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)
Storage Instruction	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 (Cell lysate)

Western Blot analysis of Lane 1: acid extracts of HeLa cell treated with Nocodazole and Lane 2: acid extracts of HeLa cell with Histone H2B (phospho S14) monoclonal antibody, clone RM238 (Cat # MAB15114) at 0.5 ug/mL working concentration.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — HIST1H2BB

Entrez GeneID	3018
Protein Accession#	P33778
Gene Name	HIST1H2BB
Gene Alias	H2B.1, H2B/f, H2BFF, MGC119804

Gene Description	histone cluster 1, H2bb
Omim ID	602803
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	H2B histone family, member F OTTHUMP00000016138 histone 1, H2bb

Pathway

- [Systemic lupus erythematosus](#)