

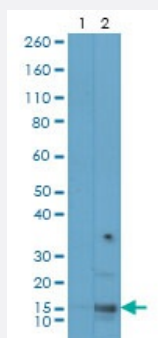
RecomAb™

Histone H2AX (acetyl K9) monoclonal antibody, clone RM446

Catalog # MAB23231

Size 100 ug

Applications



Western Blot

Western blot analysis of Lane 1: H2A recombinant protein, Lane 2: acid extracts of HeLa cell lysate using H2AFX (acetyl K9) monoclonal antibody, clone RM446 (Cat # MAB23231) under 0.01 ug/mL working concentration.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human histone H2AX.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic acetyl peptide corresponding to residues surrounding Lys9 of human histone H2AX.
Reactivity	Human
Specificity	This antibody reacts to histone H2AX acetylated at Lysine 9 (K9ac). No cross reactivity with non-modified Lysine 9 or other acetylated Lysines in histone H2A.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Western Blot (0.01 ug/mL-0.1 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.

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Gene Info — H2AFX

Entrez GeneID[3014](#)**Gene Name**

H2AFX

Gene Alias

H2A.X, H2A/X, H2AX

Gene Description

H2A histone family, member X

Omim ID[601772](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. [provided by RefSeq]

Other Designations

H2AX histone

Pathway

- [Systemic lupus erythematosus](#)

Disease

- [Azoospermia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Oligospermia](#)
- [Ovarian cancer](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Urinary Bladder Neoplasms](#)