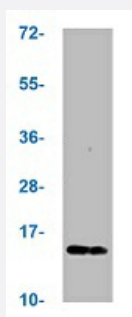


RecomAb™

Histone H2AX (phospho S139) recombinant monoclonal antibody, clone 1F10

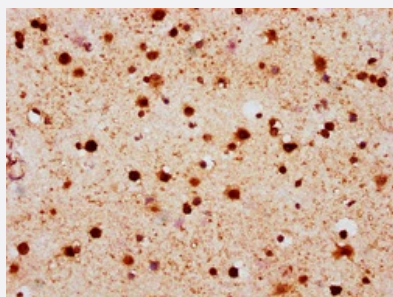
Catalog # RAB04183 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of 293 whole cell lysate with Histone H2AX (phospho S139) recombinant monoclonal antibody, clone 1F10 (Cat # RAB04183).



Immunohistochemistry

Immunohistochemical staining of human brain tissue with Histone H2AX (phospho S139) recombinant monoclonal antibody, clone 1F10 (Cat # RAB04183) (diluted at 1:100).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human Histone H2AX.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding S139 of human histone H2AX.
Theoretical MW (kDa)	Calculated MW: 15 kD
Reactivity	Human

Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °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)

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- Immunohistochemistry

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — H2AFX

Entrez GeneID	3014
Protein Accession#	P16104
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](#)