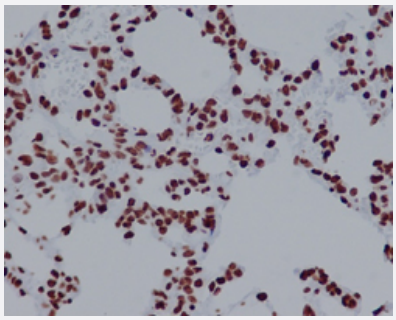
H2AFX monoclonal antibody, clone BIA-8

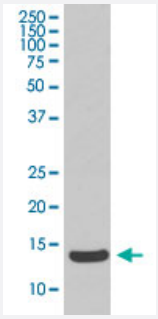
Catalog # MAB20144 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of rat lung with H2AFX monoclonal antibody, clone BIA-8 (Cat # MAB20144).



Western Blot (Cell lysate)

Western Blot analysis of Raji cell lysate with H2AFX monoclonal antibody, clone BIA-8 (Cat # MAB20144).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of H2AFX.
Immunogen	A synthetic peptide corresponding to H2AFX.
Host	Rabbit
Theoretical MW (kDa)	15.145
Reactivity	Human
Form	Liquid
Purification	Affinity purification

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of rat lung with H2AFX monoclonal antibody, clone BIA-8 (Cat # MAB20144).

- Immunofluorescence
- Immunocytochemistry
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western Blot analysis of Raji cell lysate with H2AFX monoclonal antibody, clone BIA-8 (Cat # MAB20144).

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Omim ID	601772
Gene Ontology	Hyperlink
Gene Summary	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chro mosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, an d 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 f unctions in the compaction of chromatin into higher order structures. This gene encodes a membe r of the histone H2A family, and generates two transcripts through the use of the conserved stem-l oop 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.