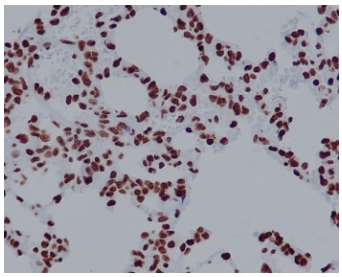
H2AFX Antibody / Histone H2AX [clone BIA-8] (RQ5464)

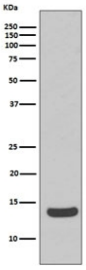
Catalog No.	Formulation	Size
RQ5464	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	BIA-8
Purity	Affinity purified
UniProt	P16104
Localization	Nuclear
Applications	Western blot: 1:500-1:2000 Immunohistochemistry: 1:50-1:200
Limitations	This H2AFX antibody is available for research use only.



H2AFX Antibody Immunohistochemistry. IHC staining of FFPE rat lung tissue with H2AFX antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



H2AFX Antibody for WB. Western blot testing of human Raji cell lysate with H2AFX antibody. Predicted molecular weight ~15 kDa.

Description

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 replication-independent histone that is 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. This antibody is part of a broader collection of Histone H2A antibodies used to study chromatin structure, histone variants such as H2A.Z, and regulatory histone modifications.

Application Notes

Optimal dilution of the H2AFX antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Histone H2A.X / H2AFX was used as the immunogen for the H2AFX antibody.

Storage

Store the H2AFX antibody at -20oC.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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