

DATASHEET

Histone H2A.X Rabbit Polyclonal Antibody

CAT. NO. ARA0200

KEY FEATURES

Target	Histone H2A.X	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC, IF/ICC, ChIP	Storage	-20°C

BACKGROUND

Histone H2A.X is a variant of the histone H2A protein, and its phosphorylated form, γ H2AX (S139), is a key marker for DNA double-strand breaks (DSBs). It plays a crucial role in cell cycle checkpoint activation and DNA repair following DSBs.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:100
IF/ICC	1:50 - 1:200
ChIP	1:10 - 1:100

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Product Description	Rabbit polyclonal antibody to Histone H2A.X
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Histone H2A.X. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Clonality	Polyclonal
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Gene Symbol	H2AFX
Alternative Names	H2AX; Histone H2AX; H2a/x; Histone H2A.X
Gene ID (Human)	3014
Protein ID (Human)	P16104

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

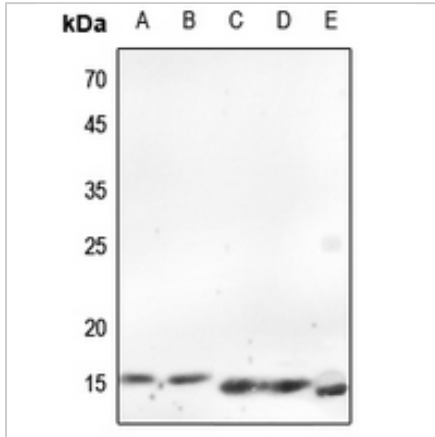
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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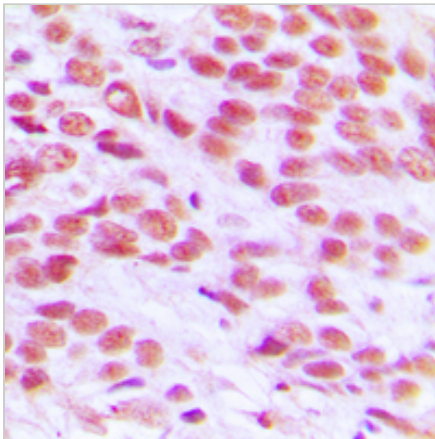
Histone H2A.X Rabbit Polyclonal Antibody

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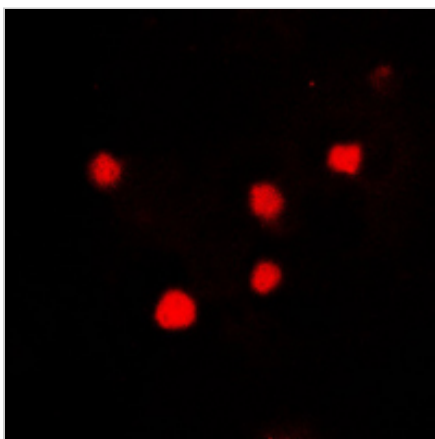
DATA



Western blot analysis of Histone H2A.X expression in HEK293T (A), HeLa (B), mouse testis (C), rat lung (D), rat testis (E) whole cell lysates. (Predicted band size: 15 kD; Observed band size: 15 kD)



Immunohistochemical analysis of Histone H2A.X staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western blot analysis of Histone H2A.X expression in HEK293T (A), HeLa (B), mouse testis (C), rat lung (D), rat testis (E) whole cell lysates. (Predicted band size: 15 kD; Observed band size: 15 kD)

STORAGE

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com