Anti-Histone H2A.X Rabbit Polyclonal Antibody

Catalog #: 50374

Aliases

H2AX; Histone H2AX; H2a/x; Histone H2A.X

Background

Gene Name: H2AFX
NCBI Gene Entry: 3014
UniProt Entry: P16104

Application Information

Molecular Weight: Predicted, 15 kDa; observed, 15 kDa
Clonality: Rabbit polyclonal antibody
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), immunohistochemistry (IHC), immunocytochemistry (IC), Chromatin Immunoprecipitation (ChIP)

Immunogen

A synthesized peptide derived from human Histone H2A.X

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

Storage

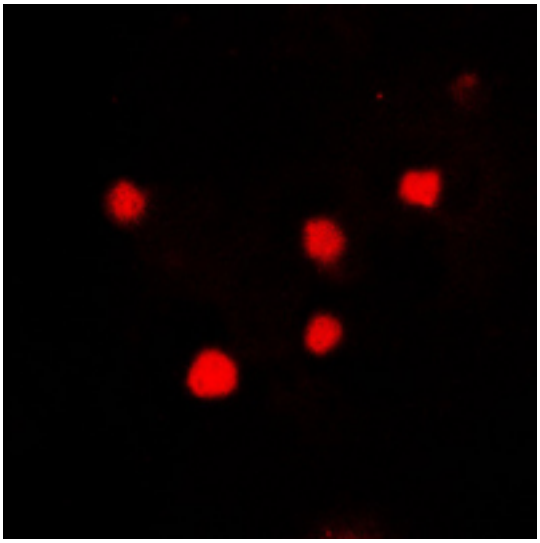
Store at -20 °C for one year.

Recommended Dilutions

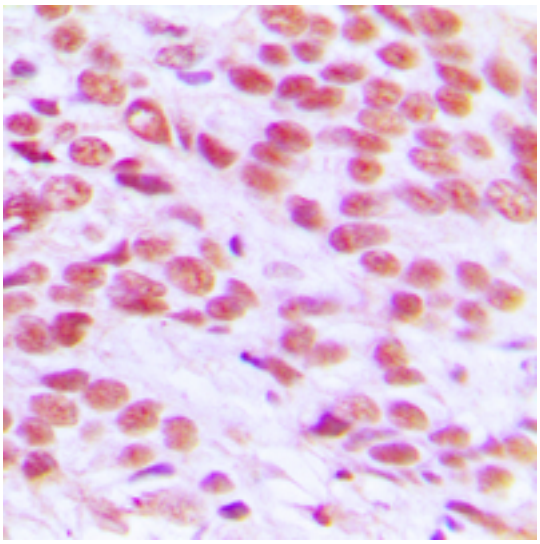
Western Blotting (WB): 1:500-1:1,000
Immunohistochemistry (IHC): 1:50-1:100
Immunocytochemistry (IC): 1:50-1:200
Chromatin Immunoprecipitation (ChIP): 1:10-1:100

Note: This product is for research use only.

Validation Data



Immunocytochemical analysis of Histone H2A.X staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



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.

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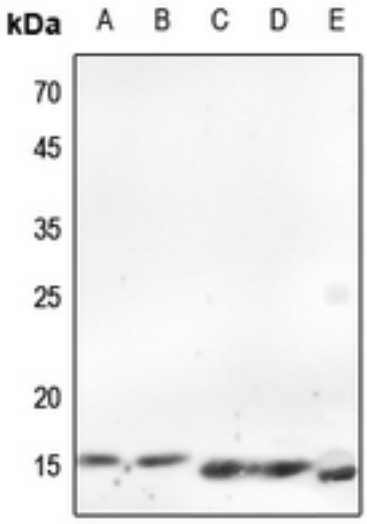

Western blotting analysis of Histone H2A.X expression in HEK293T (A), Hela (B), mouse testis (C), rat lung (D), rat testis (E) whole cell lysates.