

Histone H2A.X polyclonal antibody

Catalog: BS31104

Host: Rabbit

Reactivity: Mouse, Rat

BackGround:

Histone H2AX: Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Required for checkpoint-mediated arrest of cell cycle progression in response to low doses of ionizing radiation and for efficient repair of DNA double strand breaks (DSBs) specifically when modified by C-terminal phosphorylation

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~15.1 kDa

Swiss-Prot:

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/1000 - 1/2000), IHC (1/200 - 1/500)

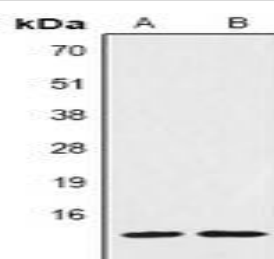
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

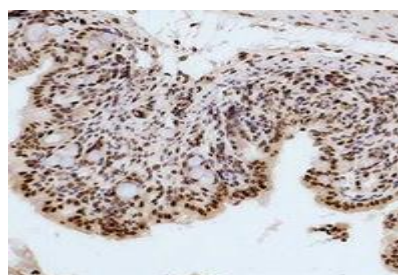
Specificity:

Recognizes endogenous levels of Histone H2A.X protein.

DATA:



Western blot analysis of Galectin 3 expression in MCF7 (A), NIH3T3 (B) whole cell lysates.



Note:

For research use only, not for use in diagnostic procedure.

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