Histone H2A.X (phospho-S139) Rabbit monoclonal antibody

Catalog: BS9844M Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

H2A.X is a member of the histone H2A family, 1 of 5 families of histone proteins involved in nucleosomal organization of chromatin. H2A.X is synthesised in G1 as well as S phase and is known to be important for recombination between immunoglobulin switch regions. A very early step in the response of mammalian cells to DNA double-strand breaks is the phosphorylation of histone H2A.X at serine 139 at the sites of DNA damage. There is a predicted acetylation at residue 1 and ubiquitination at reside 119. Phosphorylated H2A.X promotes DNA repair and maintains genomic stability.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 15 kDa

Swiss-Prot:

P16104

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:1000-1:5000

IHC: 1:50-1:200

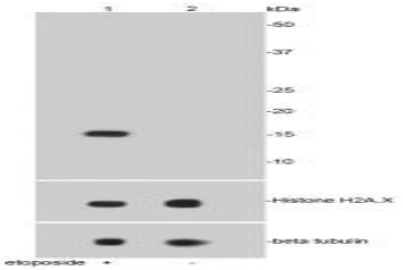
Storage&Stability:

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

Specificity:

This antibody detects endogenous levels of Histone H2A.X protein only when phosphorylated at Ser139.

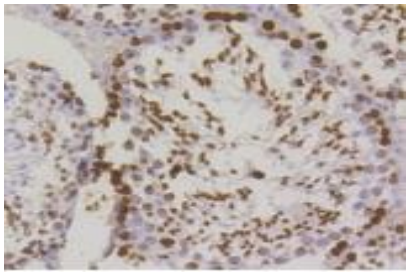
DATA:



Western blot (WB) analysis of Histone H2A.X (phospho-S139) Rabbit mAb at 1:1000 dilution

Lane1: HepG2 cell lysate–treated with etoposide

Lane2: HepG2 cell lysate–untreated



Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti- Phospho-Histone H2A.X(S139) antibody. Counter stained with hematoxylin.

Note:

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

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