

Histone H2A.X (phospho-S139) polyclonal antibody

Catalog: BS4760

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 residue 119. Phosphorylated H2A.X promotes DNA repair and maintains genomic stability.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 15 kDa

Swiss-Prot:

P16104

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

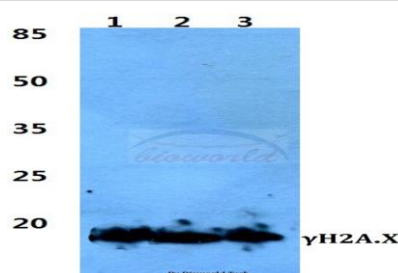
Storage&Stability:

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

Specificity:

p-Histone H2A.X (S139) polyclonal antibody detects endogenous levels of Histone H2A.X protein only when phosphorylated at Ser139.

DATA:

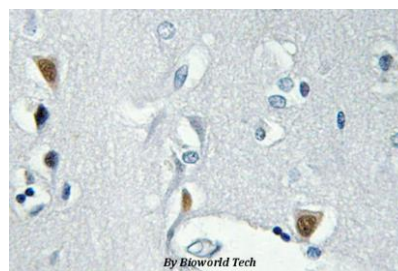


Western blot (WB) analysis of p-Histone H2A.X (S139) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate treated with colchicine(0.2 µg/ML,24h)

Lane2:sp2/0 cell lysate treated with colchicine(0.2 µg/ML,24h)

Lane3:PC12 cell lysate treated with colchicine(0.2 µg/ML,24h)



Immunohistochemistry (IHC) analyzes of p-Histone H2A.X (S139) pAb in paraffin-embedded human brain tissue.

Note:

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

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