

## PRODUCT DATA SHEET



Bioworld Technology, Inc.

### Histone H2A.X (E145) pAb

Cat No.: BS5524

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

#### Molecular Weight

~15 kDa

#### 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 (Recommended Dilutions)

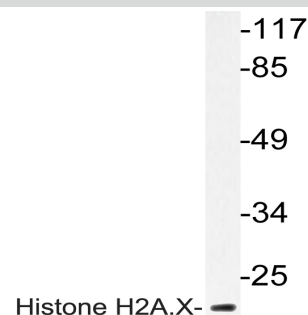
#### STORAGE & STABILITY

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

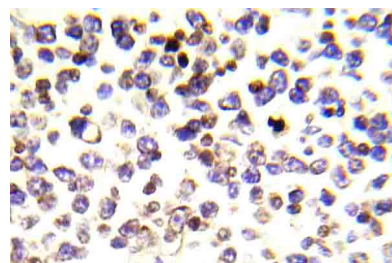
#### SPECIFICITY

Histone H2A.X (E145) pAb detects endogenous levels of Histone H2A.X protein.

#### DATA



Western blot (WB) analyzes of Histone H2A.X (E145) pAb in extracts from HeLa cells.



Immunohistochemistry (IHC) analyzes of Histone H2A.X (E145) pAb in paraffin-embedded human malignant lymphoma tissue.

#### RESEARCH USE

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

Bioworld Technology, Inc.

1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA. Tel: 6123263284  
www.bioworlde.com Orders: order@bioworlde.com Support: support@bioworlde.com