

For Research Use Only

Histone H2A.X Recombinant antibody

Catalog Number: 83307-3-RR



Basic Information

Catalog Number:

83307-3-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1305

GenBank Accession Number:

BC013416

GeneID (NCBI):

3014

UNIPROT ID:

P16104

Full Name:

H2A histone family, member X

Calculated MW:

15 kDa

Observed MW:

15-18 kDa, 22 kDa

Purification Method:

Protein A purification

CloneNo.:

250032F5

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HEK-293T cells, NIH/3T3 cells, C6 cells

Background Information

Histone H2A.X belongs to the histone H2A family, which is synthesized in G1 and S phase. It is involved in nucleosomal organization of chromatin together with other histone proteins, and is specially important for recombination between immunoglobulin switch regions. H2A.X becomes phosphorylated on serine 139 (to form gamma-H2AFX or H2AX139ph) in response to DNA double strand breaks (DSBs) generated by exogenous genotoxic agents and by stalled replication forks, which promotes DNA repair and maintains genomic stability. The calculated molecular weight of H2AX is 15 kDa, but the ubiquitinated H2A.X is about 22 kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

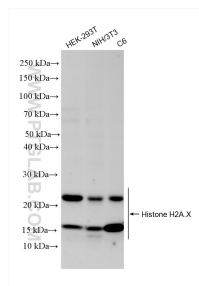
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



HEK-293T cells were subjected to SDS PAGE followed by western blot with 83307-3-RR (Histone H2A.X antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.