

For Research Use Only

Histone H2B Polyclonal antibody, PBS Only

Catalog Number:33612-1-PBS



Basic Information

Catalog Number:

33612-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38954

GenBank Accession Number:

NM_021063.3

GeneID (NCBI):

3017

UNIPROT ID:

P58876

Full Name:

histone cluster 1, H2bd

Calculated MW:

14kDa, 126aa

Observed MW:

16 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Histone H2B is a core component of the nucleosome, the fundamental unit of chromatin. It forms a dimer with Histone H2A, and two H2A-H2B dimers combine with a (H3-H4)₂ tetramer to create the histone octamer. The primary function of this structure is to package DNA into a compact and manageable form. However, H2B is also subject to various post-translational modifications (PTMs), such as ubiquitination, which serve as epigenetic marks to regulate gene expression by altering chromatin accessibility.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

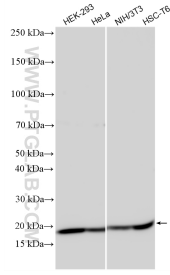
T: 4006900926

E: Proteintech-CN@ptglab.com

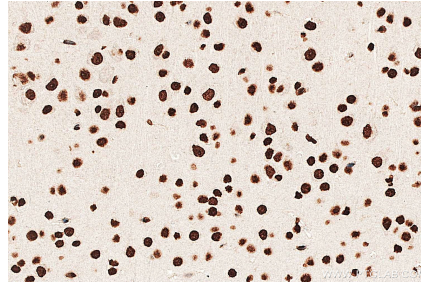
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33612-1-AP (Histone H2B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33612-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 33612-1-AP (Histone H2B antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 33612-1-PBS in a different storage buffer formulation.