

For Research Use Only

Histone H2B Polyclonal antibody, PBS Only

Catalog Number: 15857-1-PBS



Basic Information

Catalog Number:

15857-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7811

GenBank Accession Number:

BC005827

GeneID (NCBI):

8349

UNIPROT ID:

Q16778

Full Name:

histone cluster 2, H2be

Calculated MW:

14 kDa

Observed MW:

14-17 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF, IP, 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.

Storage Buffer:

PBS only, pH7.3

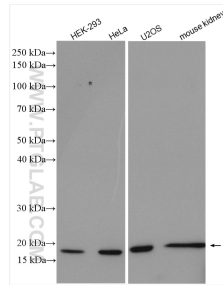
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

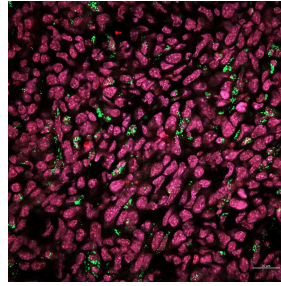
E: proteintech@ptglab.com
W: ptglab.com

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

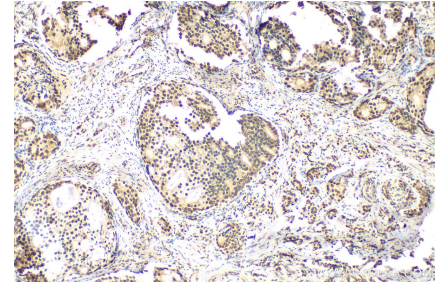
Selected Validation Data



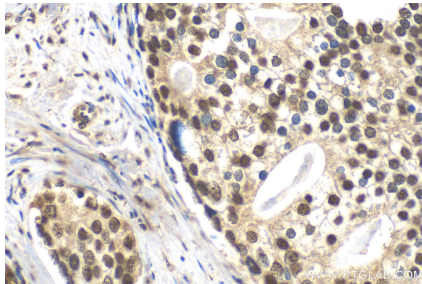
Various lysates were subjected to SDS PAGE followed by western blot with 15857-1-AP (Histone H2B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15857-1-PBS in a different storage buffer formulation.



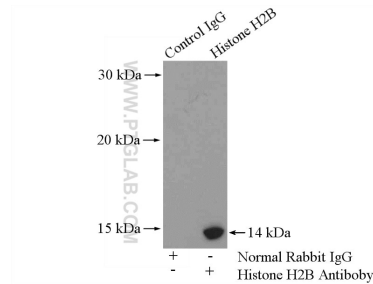
Mouse tumour sections were labelled with H2B (15857-1-AP, red), Dendra2 (green), and DAPI. The image was credited by Dr. Hae Lin Jang from Harvard Medical School. This data was developed using the same antibody clone with 15857-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 15857-1-AP (Histone H2B antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15857-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 15857-1-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 15857-1-PBS in a different storage buffer formulation.



IP result of anti-Histone H2B (IP:15857-1-AP, 4ug; Detection:15857-1-AP 1:500) with HEK-293 cells lysate 2000ug. This data was developed using the same antibody clone with 15857-1-PBS in a different storage buffer formulation.