

For Research Use Only

Histone H2B Polyclonal antibody, PBS Only

Catalog Number: 27740-1-PBS



Basic Information

Catalog Number:

27740-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26901

GenBank Accession Number:

BC100855

GeneID (NCBI):

128312

UNIPROT ID:

Q8N257

Full Name:

histone cluster 3, H2bb

Observed MW:

15-20 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IF/ICC, ChIP, Indirect ELISA

Species Specificity:

human

Background Information

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. HIST3H2BB is a replication-dependent histone that is a member of the histone H2B family.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

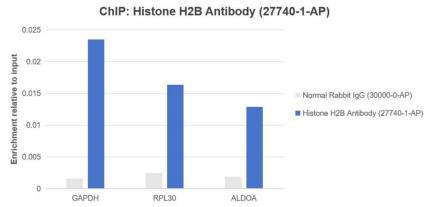
For technical support and original validation data for this product please contact:

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

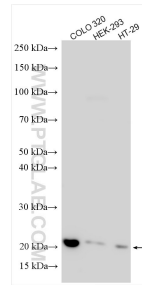
E: proteintech@ptglab.com
W: ptglab.com

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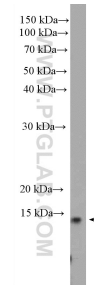
Selected Validation Data



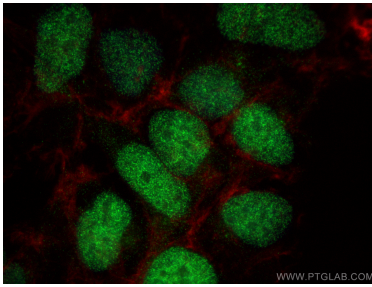
Chromatin was prepared from HEK-293 cells, cells were fixed with formaldehyde for 10 minutes. The ChIP was performed with 18 µg of cross-linked chromatin, 5 µg of Histone H2B Antibody (27740-1-AP) or 5 µg of Normal Rabbit IgG (30000-0-AP), and 30 µl of Protein A Magarose Beads. The immunoprecipitated DNA was quantified by real time PCR. Primers are located in the first kb of the transcribed region. This data was developed using the same antibody clone with 27740-1-



Various lysates were subjected to SDS PAGE followed by western blot with 27740-1-AP (HIST3H2BB antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27740-1-PBS in a different storage buffer formulation.



HEK-293T cells were subjected to SDS PAGE followed by western blot with 27740-1-AP (HIST3H2BB antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27740-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using Histone H2B antibody (27740-1-AP) at dilution of 1:600 and Multi-rAb CoraLite Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red). This data was developed using the same antibody clone with 27740-1-PBS in a different storage buffer formulation.