

For Research Use Only

Histone H2B Polyclonal antibody

Catalog Number: 27740-1-AP



Basic Information

Catalog Number: 27740-1-AP	GenBank Accession Number: BC100855	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop;	GeneID (NCBI): 128312	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: Q8N257	IF/ICC 1:300-1:1200
Isotype: IgG	Full Name: histone cluster 3, H2bb	
Immunogen Catalog Number: AG26901	Observed MW: 15-20 kDa	

Applications

Tested Applications: WB, IF/ICC, ChIP, ELISA	Positive Controls:
Species Specificity: human	WB : COLO 320 cells, HEK-293T cells, HEK-293 cells
	IF/ICC : HEK-293 cells,

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

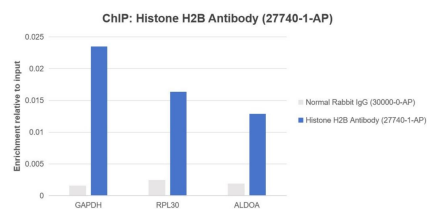
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

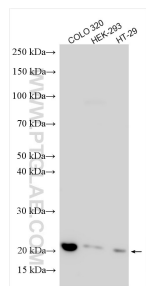
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

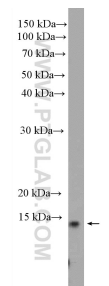
Selected Validation Data



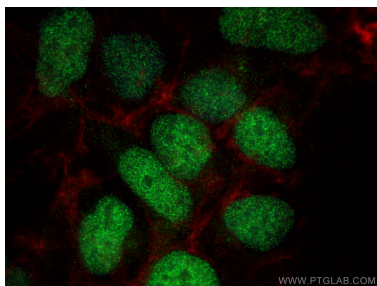
Chromatin was prepared from HEK-293 cells, cells were fixed with formaldehyde for 10 minutes. The ChIP was performed with 18 µg of cross-linked chromatin, 5 µg of Histone H2B Antibody (27740-1-AP) or 5 µg of Normal Rabbit IgG (30000-0-AP), and 30 µl of Protein A Magarose Beads. The immunoprecipitated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



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.



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.



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).