

For Research Use Only

Histone H3 Recombinant antibody

Catalog Number: 82832-6-RR



Basic Information

Catalog Number:	82832-6-RR	GenBank Accession Number:	BC066245
Size:	100ul, Concentration: 800 µg/ml by Nanodrop;	GenID (NCBI):	8350
Source:	Rabbit	UNIPROT ID:	P68431
Isotype:	IgG	Full Name:	histone cluster 1, H3a

Applications

Tested Applications:	IF/ICC, ELISA	Positive Controls:
Species Specificity:	human	IF/ICC : HeLa cells,

Background Information

Histones are small, highly basic proteins that consist of a globular domain with unstructured N- and C-terminal tails protruding from the main structure. Histone H3 is one of the five main histones that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. In addition to their role in DNA compartmentalization, histones also play crucial roles in various biologic processes, including gene expression and regulation, DNA repair, chromatin condensation, cell cycle progression, chromosome segregation, and apoptosis. The ability of histones to regulate chromatin dynamics primarily originates from various posttranslational modifications carried out by histone-modifying enzymes.

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:
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in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Histone H3 antibody (82832-6-RR, Clone: 1L5) at dilution of 1:250 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).