

For Research Use Only

Histone H1.0 Recombinant antibody

Catalog Number: 83993-4-RR



Basic Information

Catalog Number: 83993-4-RR	GenBank Accession Number: BC000145	Purification Method: Protein A purification
Size: 100ul , Concentration: 700 ug/ml by Nanodrop;	GeneID (NCBI): 3005	CloneNo.: 241147F6
Source: Rabbit	UNIPROT ID: P07305	Recommended Dilutions: IHC 1:500-1:2000 IF/ICC 1:150-1:600
Isotype: IgG	Full Name: H1 histone family, member 0	
Immunogen Catalog Number: AG9982	Calculated MW: 21 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	IHC : mouse colon tissue, IF/ICC : HepG2 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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. Linker histones are involved in forming higher order structure in chromatin and maintaining overall chromatin compaction. The H1FO histones are found in cells that are in terminal stages of differentiation or that have low rates of cell division. Histone H1.0 (H1FO, H1FV) is a linker histone that is widely expressed in many tissues and almost all vertebrates, unlike some other linker histones.

Storage

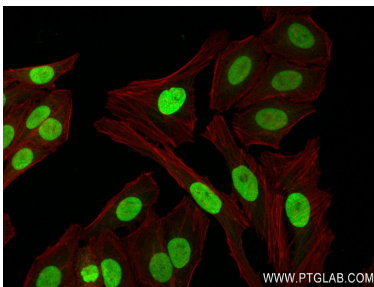
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

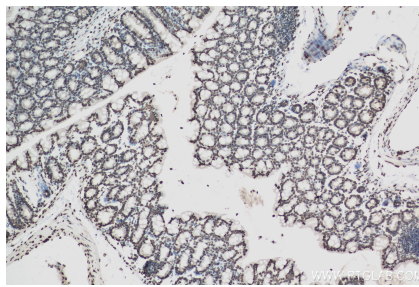
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Histone H1.0 antibody (83993-4-RR, Clone: 241147F6) at dilution of 1:300 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 83993-4-RR (Histone H1.0 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).