

For Research Use Only

CoraLite® Plus 488-conjugated Histone H1.0 Recombinant antibody

Catalog Number: CL488-83993-4



Basic Information

Catalog Number: CL488-83993-4	GenBank Accession Number: BC000145	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 3005	CloneNo.: 241147F6
Source: Rabbit	UNIPROT ID: P07305	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: H1 histone family, member 0	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG9982	Calculated MW: 21 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : MCF-7 cells,
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. 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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

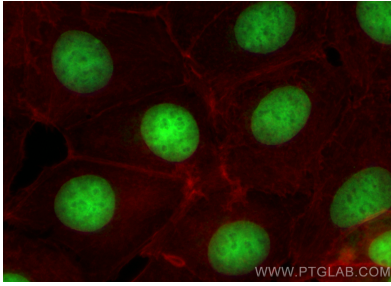
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite® Plus 488 Histone H1.0 antibody (CL488-83993-4, Clone: 241147F6) at dilution of 1:200, CL594-Phalloidin (red).