For Research Use Only

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

Catalog Number:CL488-83993-4

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL488-83993-4

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG9982

GenBank Accession Number:
BC000145

GeneID (NCBI):
3005

UNIPROT ID:
P07305

Full Name:
H1 histone family, member 0

Calculated MW:
21 kDa

Purification Method:
Protein A purification

CloneNo.:
241147F6

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human

Positive Controls:

IF/ICC : MCF-7 cells,

Background Information

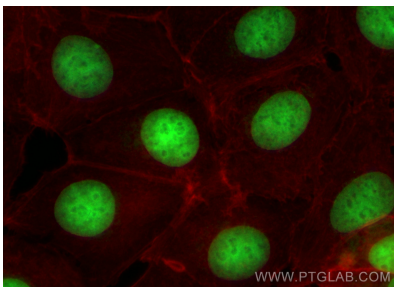
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. Linker histones are involved in forming higher order structure in chromatin and maintaining overall chromatin compaction. The H1F0 histones are found in cells that are in terminal stages of differentiation or that have low rates of cell division.Histone H1.0 (H1F0,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:
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

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).