

For Research Use Only

CoraLite® Plus 488-conjugated Histone H4 Polyclonal antibody



Catalog Number: CL488-16047

Featured Product

Basic Information

Catalog Number:

CL488-16047

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8999

GenBank Accession Number:

BC012587

GeneID (NCBI):

8367

UNIPROT ID:

P62805

Full Name:

histone cluster 1, H4e

Calculated MW:

102 aa, 11 kDa

Observed MW:

14 kDa, 11 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF : HeLa cells,

Background Information

Histone H4 is a 103 amino acid protein, which belongs to the histone H4 family. Histone H4 localizes in the nucleus and is a core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

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:

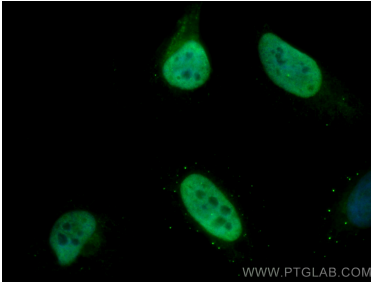
T: 4006900926

E: Proteintech-CN@ptglab.com

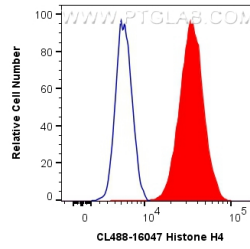
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 Histone H4 antibody (CL488-16047) at dilution of 1:200.



1×10^6 HeLa cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human Histone H4 (CL488-16047) (red), or 0.8 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).