

For Research Use Only

CoraLite® Plus 488-conjugated Histone H4 Polyclonal antibody



Catalog Number: CL488-16047

Featured Product

Basic Information

Catalog Number: CL488-16047	GenBank Accession Number: BC012587	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8367	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: histone cluster 1, H4e	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 102 aa, 11 kDa	
Immunogen Catalog Number: AG8999	Observed MW: 14 kDa, 11 kDa	

Applications

Tested Applications: FC (Intra)	Positive Controls: IF : HeLa cells,
Species Specificity: human, mouse, rat	

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

*** 20ul sizes contain 0.1% BSA

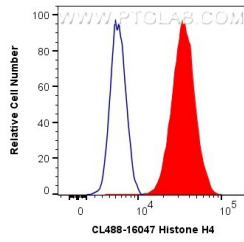
For technical support and original validation data for this product please contact:

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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



1X10⁶ 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).