

For Research Use Only

CoraLite® Plus 488-conjugated Acetyl-Histone H4 (Lys12) Recombinant antibody

Catalog Number: CL488-83095



Basic Information

Catalog Number: CL488-83095	GenBank Accession Number: BC069654	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 8359	CloneNo.: 1D18
Source: Rabbit	UNIPROT ID: P62805	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: histone cluster 1, H4a	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Observed MW: 12 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : Caco-2 cells,
Species Specificity: human, mouse	

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. Acetylation of histone H4 is necessary for chromatin decompaction during DNA replication.

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:

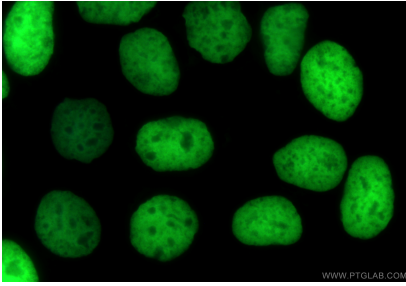
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Caco-2 cells using Coralite® Plus 488 Acetyl-Histone H4 (Lys12) antibody (CL488-83095, Clone: 1D18) at dilution of 1:200.