

For Research Use Only

Cardinal Red™-conjugated Histone-H3 Polyclonal antibody



Catalog Number: CR-17168

Basic Information

| | | |
|---|--|---|
| Catalog Number: CR-17168 | GenBank Accession Number: BC015544 | Purification Method: Antigen affinity purification |
| Size: 1000 µg/ml | GeneID (NCBI): 333932 | Excitation/Emission maxima wavelengths: 592 nm / 611 nm |
| Source: Rabbit | UNIPROT ID: Q71DI3 | |
| Isotype: IgG | Full Name: histone cluster 2, H3a | |
| Immunogen Catalog Number: AG10644 | Calculated MW: 136 aa, 15 kDa | |
| | Observed MW: 15-17 kDa | |

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Background Information

Histone-H3, histone cluster 2, H3a is the core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machinery which requires 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. Histone-H3 is expressed during S phase; then expression strongly decreases as cell division slows down during the process of differentiation.

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:

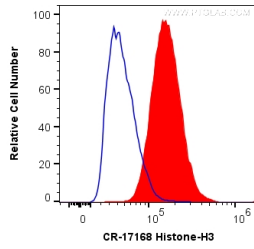
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug Cardinal Red™ Anti-Human Histone-H3 (CR-17168) (red), or 0.2 ug isotype control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).