For Research Use Only

CoraLite® Plus 647-conjugated Histone H2B Monoclonal antibody

Catalog Number:CL647-68393

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL647-68393

Source:
Mouse

Isotype:
IgG1

GenBank Accession Number:
BC005827

GeneID (NCBI):
8349

UNIPROT ID:
Q16778

Full Name:
histone cluster 2, H2be

Calculated MW:
14 kDa

Observed MW:
14-17 kDa

Purification Method:
Protein G purification

CloneNo.:
1E12G3

Recommended Dilutions:
FC (Intra): 0.8 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat, chicken, zebrafish

Positive Controls:

FC (Intra) : HeLa cells,

Background Information

Histones are nuclear proteins that are classified into five major protein groups: histones H2A, H2B, H3, and H4 are known as the core histones. Post-translationally modified H2B proteins can modulate the nucleosome/chromatin structure or DNA accessibility to affect the transcriptional pathways linked to embryonic development and cell differentiation. Monoubiquitination of histone H2B has emerged as an important chromatin modification with roles not only in transcription but also in cell differentiation, DNA repair or mRNA processing(PMID: 25027370).

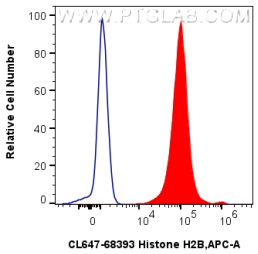
Storage

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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Selected Validation Data



1x10^6 HeLa cells were intracellularly stained with 0.8 ug CoraLite® Plus 647-conjugated Histone H2B Monoclonal antibody (CL647-68393, Clone:1E12G3) (red), or 0.8 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).