For Research Use Only

Acetyl-Histone H2B (Lys120) Recombinant antibody, PBS Only

Catalog Number:84551-1-PBS

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Basic Information

Catalog Number:
84551-1-PBS

Concentration:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC005827

GeneID (NCBI):
8349

UNIPROT ID:
Q16778

Full Name:
histone cluster 2, H2be

Calculated MW:
14 kDa

Observed MW:
25 kDa

Purification Method:
Protein A purfication

CloneNo.:
241556E7

Applications

Tested Applications:
WB, IF/ICC, Dot Blot, Indirect ELISA

Species Specificity:
human, mouse

Background Information

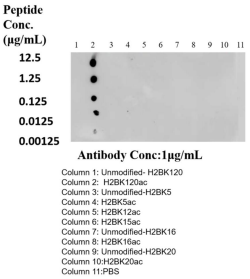
Histones are nuclear proteins that are classified into five major protein groups: histones H2A, H2B, H3, and H4 are known as the core histones. Post-translationally modified H2B proteins can modulate the nucleosome/chromatin structure or DNA accessibility to affect the transcriptional pathways linked 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

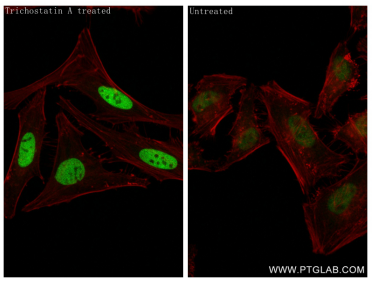
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

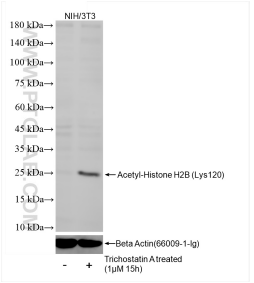
Selected Validation Data



Dot blot analysis was used to confirm the specificity of Acetyl-Histone H2B (Lys120) antibody. Peptides were spotted onto NC and probed with antibody at 1 μg/ml.The amount of peptide (μ g/mL) spotted is indicated next to each row. This data was developed using the same antibody clone with 84551-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed Trichostatin A treated HeLa cells using Acetyl-Histone H2B (Lys120) antibody (84551-1-RR, Clone: 241556E7) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84551-1-PBS in a different storage buffer formulation.



Trichostatin A treated NIH/3T3 cells and untreated cells were subjected to SDS PAGE followed by western blot with 84551-1-RR (Acetyl-Histone H2B (Lys120) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Beta Actin Monoclonal antibody (66009-1-Ig) as loading control. This data was developed using the same antibody clone with 84551-1-PBS in a different storage buffer formulation.