For Research Use Only

Phospho-Histone H2A (Thr120) Recombinant monoclonal antibody, PBS Only

Catalog Number:83041-8-PBS

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Basic Information

Catalog Number:
83041-8-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC093836

GeneID (NCBI):
3012

UNIPROT ID:
P04908

Full Name:
histone cluster 1, H2ae

Calculated MW:
14 kDa

Observed MW:
15 kDa

Purification Method:
Protein A purification

CloneNo.:
250365B1

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

Phospho-Histone H2A (Thr120) refers to the phosphorylation of threonine 120 on histone H2A, a modification that is increasingly recognized for its roles in chromatin organization, gene regulation, and disease development, particularly in oncogenesis and bone remodeling. The phosphorylation is predominantly associated with gene silencing. High levels of H2AT120p correlate with increased cell proliferation, tumor growth, and poor prognosis, underscoring its role as an oncogenic signal.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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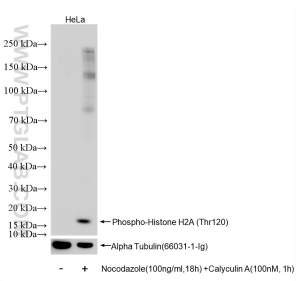
Selected Validation Data



Nocodazole and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 83041-8-RR (Phospho-Histone H2A (Thr120) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Alpha Tubulin Monoclonal antibody (66031-1-Ig) as loading control. This data was developed using the same antibody clone with 83041-8-PBS in a different storage buffer formulation.