

For Research Use Only

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

Catalog Number:**83041-8-PBS**



## Basic Information

Catalog Number:	BC093836	GenBank Accession Number:	Purification Method:
Source:	GenID (NCBI):	Protein A purification	CloneNo.:
Rabbit	3012		250365B1
Isotype:	UNIPROT ID:		
IgG	P04908		
	Full Name:		
	histone cluster 1, H2ae		
	Calculated MW:		
	14 kDa		
	Observed MW:		
	15 kDa		

## 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.

**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:

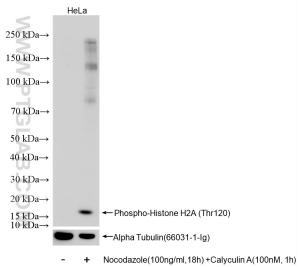
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



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.