

For Research Use Only

# Phospho-Histone H2A (Thr120) Recombinant monoclonal antibody

Catalog Number: 83041-8-RR



## Basic Information

Catalog Number:	83041-8-RR	GenBank Accession Number:	BC093836	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	3012	CloneNo.:	250365B1
Source:	Rabbit	UNIPROT ID:	P04908	Recommended Dilutions:	WB: 1:2000-1:10000
Isotype:	IgG	Full Name:	histone cluster 1, H2ae		
		Calculated MW:	14 kDa		
		Observed MW:	15 kDa		

## Applications

Tested Applications:	Positive Controls:
WB, ELISA	WB: Nocodazole and Calyculin A treated HeLa cells,
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

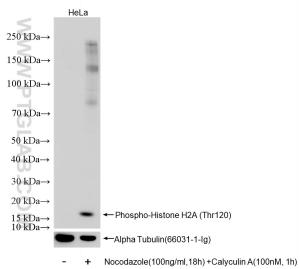
Storage: Store at -20°C. Stable for one year after shipment.  
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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.