

## Anti-Formyl-Histone H2B type 2E (Lys121) Antibody (7L767)

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 14 kDa. Actual: 14 kDa.
Clone:	7L767
Purification:	Protein A purified

## Applications

Verified Activity:	<p>1. NIH/3T3 (M) cells were treated with or without PMA (100 nM) for 24 h, 25 µg total protein per lane of cell lysates (see on figure) probed with Formyl-Histone H2B type 2E (Lys121) monoclonal antibody, unconjugated (TMAB-06109) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p> <p>2. The HeLa (H) cells were fixed with 4% PFA (10 min at r. T.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-Formyl-Histone H2B type 2E (Lys121) antibody (TMAB-06109, 1: 100); Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.</p>
Application:	FCM,IF,IHC-Fr,IHC-P,WB
Recommended	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1:50-100

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthesized peptide: human Histone H2B type 2E around the formylation site of K121
Antigen Species:	Human
Gene ID:	8349
Uniprot ID:	Q16778

## Research Background

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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