

For Research Use Only

Phospho-Histone H2B (Ser14) Recombinant antibody



Catalog Number: 83811-1-RR

Basic Information

Catalog Number:

83811-1-RR

Size:

1000 µg/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:

14-17 kDa

Purification Method:

Protein A purification

CloneNo.:

240570A8

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : PMA treated NIH/3T3 cells,

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. In addition, MST1 is known to phosphorylate histone H2B in vitro and has recently been shown to directly phosphorylate histone H2B at Ser14 in vivo. (PMID: 17548476)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

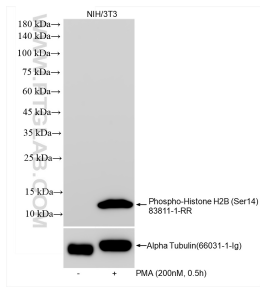
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Selected Validation Data



Non-treated NIH/3T3 cells and PMA treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 83811-1-RR (Phospho-Histone H2B (Ser14)) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control.