

For Research Use Only

Phospho-CBX3 (Ser93) Recombinant monoclonal antibody

Catalog Number: 87869-3-RR



Basic Information

Catalog Number:

87869-3-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_016587

GeneID (NCBI):

11335

UNIPROT ID:

Q13185

Full Name:

chromobox homolog 3 (HP1 gamma homolog, Drosophila)

Calculated MW:

21 kDa

Observed MW:

22 kDa

Purification Method:

Protein A purification

CloneNo.:

260091A2

Recommended Dilutions:

WB: 1:5000-1:50000

FC (Intra): 0.13 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse

Positive Controls:

WB: Forskolin treated NIH/3T3 cells, paclitaxel treated HeLa cells

FC (Intra): paclitaxel treated HeLa cells,

Background Information

CBX3, also known as HP1γ (Heterochromatin Protein 1 gamma), is a protein-coding gene located on human chromosome 7p15.2. Phospho-CBX3 (Ser93) refers to the phosphorylated form of Chromobox Homolog 3 (CBX3), also known as HP1γ (Heterochromatin Protein 1 gamma), at serine residue 93. This phosphorylation site is located in the N-terminal tail region of the protein and plays a regulatory role in chromatin binding and transcriptional control. (PMID: 39907700)

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

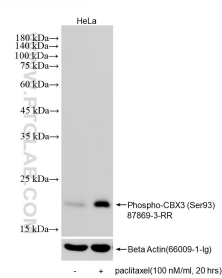
For technical support and original validation data for this product please contact:

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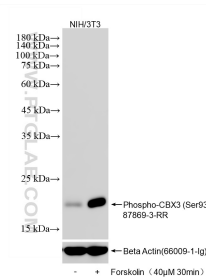
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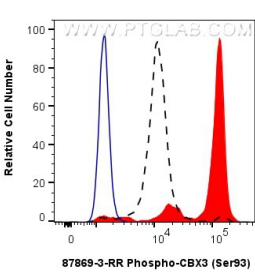
Selected Validation Data



Non-treated HeLa cells and paclitaxel treated HeLa cells were subjected to SDS PAGE followed by western blot with 87869-3-RR (Phospho-CBX3 (Ser93) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-Ig) antibody as a loading control.



Non-treated NIH/3T3 cells and Forskolin treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 87869-3-RR (Phospho-CBX3 (Ser93) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-Ig) antibody as a loading control.



1x10⁶ HeLa cells untreated (dashed lines) or treated with paclitaxel which intracellularly stained with 0.13 ug Phospho-CBX3 (Ser93) Recombinant monoclonal antibody (87869-3-RR, Clone:260091A2) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.13 ug Isotype Control (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein Fixation/Permeabilization Kit (PF00026).