

For Research Use Only

Phospho-CBX3 (Ser93) Recombinant monoclonal antibody, PBS Only

Catalog Number: 87869-3-PBS



Basic Information

Catalog Number:

87869-3-PBS

Size:

100ug, Concentration: 1 mg/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

Applications

Tested Applications:

WB, FC (Intra), Indirect ELISA

Species Specificity:

human, mouse

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 -80°C.

Storage Buffer:

PBS only, pH7.3

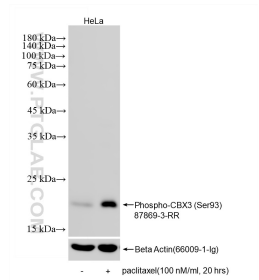
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

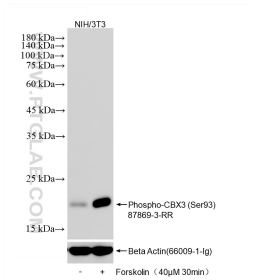
E: proteintech@ptglab.com
W: ptglab.com

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

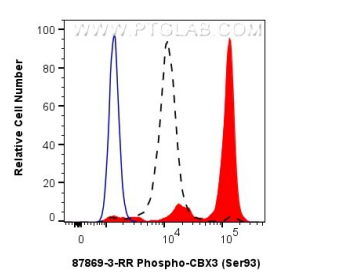
Selected Validation Data



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. This data was developed using the same antibody clone with 87869-3-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 87869-3-PBS in a different storage buffer formulation.



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).