

Datasheet for ABIN7266358
anti-CBX3 antibody (pSer83)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	CBX3
Binding Specificity:	pSer83
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBX3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Phospho-HP1 gamma/CBX3-S83 Rabbit pAb
Immunogen:	A phospho specific peptide corresponding to residues surrounding S83 of human HP1 gamma/CBX3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	CBX3
---------	------

Target Details

Alternative Name: CBX3 ([CBX3 Products](#))

Background: At the nuclear envelope, the nuclear lamina and heterochromatin are adjacent to the inner nuclear membrane. The protein encoded by this gene binds DNA and is a component of heterochromatin. This protein also can bind lamin B receptor, an integral membrane protein found in the inner nuclear membrane. The dual binding functions of the encoded protein may explain the association of heterochromatin with the inner nuclear membrane. This protein binds histone H3 tails methylated at Lys-9 sites. This protein is also recruited to sites of ultraviolet-induced DNA damage and double-strand breaks. Two transcript variants encoding the same protein but differing in the 5' UTR, have been found for this gene.,CBX3,HECH,HP1-GAMMA,HP1Hs-gamma,Epigenetics & Nuclear Signaling,Protein phosphorylation,CBX3

Molecular Weight: 20kDa

Gene ID: 11335

UniProt: [Q13185](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

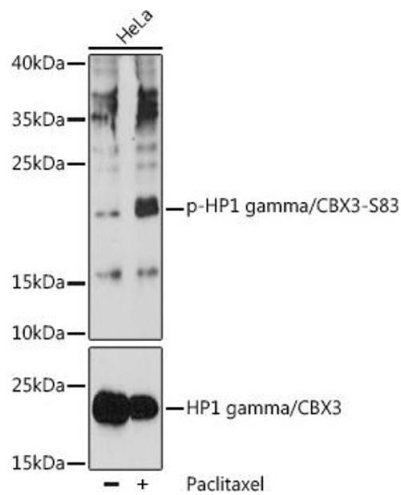
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

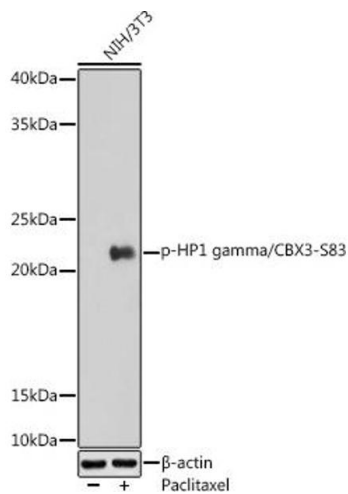
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of HeLa cells, using Phospho-HP1 gamma/CBX3-S83 pAb (ABIN7266358) at 1:1000 dilution or HP1 gamma/CBX3 antibody (ABIN1512681, ABIN3023226, ABIN3023227 and ABIN5664024). HeLa cells were treated by Paclitaxel (100 nM/mL) at 37 °C for 20 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Western Blotting

Image 2. Western blot analysis of extracts of NIH/3T3 cells, using Phospho-HP1 gamma/CBX3-S83 antibody (ABIN7266358) at 1:1000 dilution. NIH/3T3 cells were treated by Paclitaxel (100 nM) at 37 °C for 20 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.