

## Phospho-Vimentin-S83 polyclonal antibody

Catalog: BS79489

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

This gene encodes a member of the intermediate filament family. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. It is also involved in the immune response, and controls the transport of low-density lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions as an organizer of a number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract. [provided by RefSeq, Jun 2009]

### Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

57KDa

### Swiss-Prot:

P08670

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB, 1:500 - 1:2000

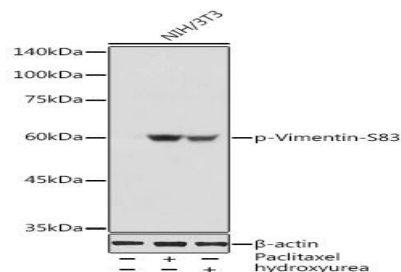
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

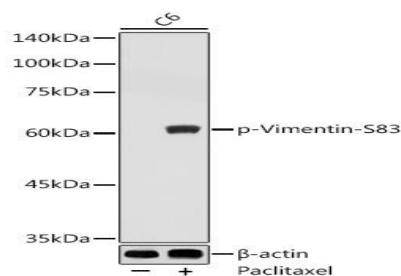
### Modification:

Phosphorylated

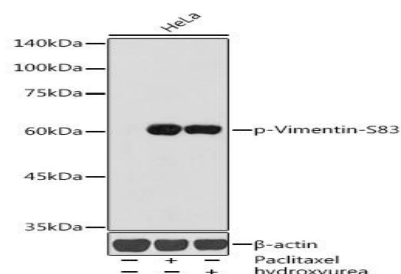
### DATA:



Western blot analysis of extracts of NIH/3T3 cells, using Phospho-Vimentin-S83 antibody at 1:1000 dilution. NIH/3T3 cells were treated by Paclitaxel at 37 °C for 20 hours. NIH/3T3 cells were treated by Hydroxyurea at 37 °C for 20 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



Western blot analysis of extracts of C6 cells, using Phospho-Vimentin-S83 antibody at 1:1000 dilution. C6 cells were treated by Paclitaxel at 37 °C for 20 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



Western blot analysis of extracts of HeLa cells, using Phospho-Vimentin-S83 antibody at 1:1000 dilution. HeLa cells were treated

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## PRODUCT DATA SHEET

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by Paclitaxel at 37°C for 20 hours. HeLa cells were treated by Hydroxyurea at 37°C for 20 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.

### Note:

For research use only, not for use in diagnostic procedure.

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