

Phospho-Vimentin-S83 Rabbit pAb

Catalog No.: AP1119

Basic Information

Observed MW

57kDa

Calculated MW

53kDa

Category

Primary antibody

Applications

WB

Cross-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]

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

7431

Swiss Prot

P08670

Immunogen

A synthetic phosphorylated peptide around S83 of human VIM (NP_003371.2).

Synonyms

VIM; CTRCT30; HEL113; vimentin

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

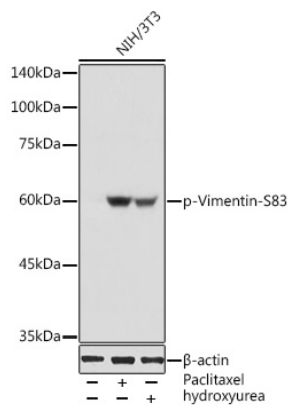
Affinity purification

Storage

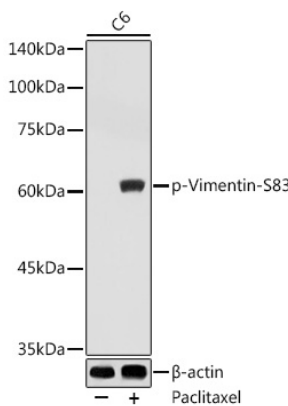
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

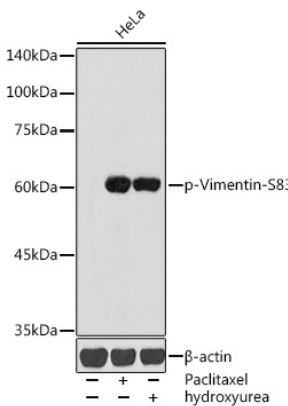
Validation Data



Western blot analysis of extracts of NIH/3T3 cells, using Phospho-Vimentin-S83 antibody (AP1119) at 1:1000 dilution.NIH/3T3 cells were treated by Paclitaxel (100 nM/ml) at 37°C for 20 hours.NIH/3T3 cells were treated by Hydroxyurea (4 mM) at 37°C for 20 hours.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



Western blot analysis of extracts of C6 cells, using Phospho-Vimentin-S83 antibody (AP1119) at 1:1000 dilution.C6 cells were treated by Paclitaxel (100 nM) at 37°C for 20 hours.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Western blot analysis of extracts of HeLa cells, using Phospho-Vimentin-S83 antibody (AP1119) at 1:1000 dilution.HeLa cells were treated by Paclitaxel (100 nM/ml) at 37°C for 20 hours.HeLa cells were treated by Hydroxyurea (4 mM) at 37°C for 20 hours.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.