

Phospho-Vimentin-S83 Rabbit pAb

Catalog No.: AP0799

Basic Information

Observed MW

60kDa

Calculated MW

54kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Rat

Background

This gene encodes a type III intermediate filament protein. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The encoded protein is responsible for maintaining cell shape and integrity of the cytoplasm, and stabilizing cytoskeletal interactions. This protein is involved in neuritogenesis and cholesterol transport and functions as an organizer of a number of other critical proteins involved in cell attachment, migration, and signaling. Bacterial and viral pathogens have been shown to attach to this protein on the host cell surface. Mutations in this gene are associated with congenital cataracts in human patients.

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

CTRCT30; HEL113; Vimentin; VIM; vimentin; Phospho-Vimentin-S83

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

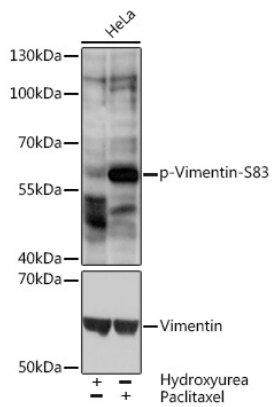
Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from HeLa cells, using Phospho-Vimentin-S83 pAb (AP0799) at 1:2000 dilution or Vimentin antibody (A2584). HeLa cells were treated by Hydroxyurea (4 mM) at 37°C for 20 hours or treated by Paclitaxel (100 nM/mL) at 37°C for 20 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.