

# Phospho-Vimentin-S39 Rabbit pAb

Catalog No.: AP0806

## Basic Information

### Observed MW

57kDa

### Calculated MW

54kDa

### Category

Primary antibody

### Applications

WB, IHC-P, ELISA

### Cross-Reactivity

Human, Mouse, 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 - 1:1000

**IHC-P** 1:50 - 1:100

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

7431

### Swiss Prot

P08670

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

CTRCT30; HEL113; Vimentin; VIM; vimentin; Phospho-Vimentin-S39

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

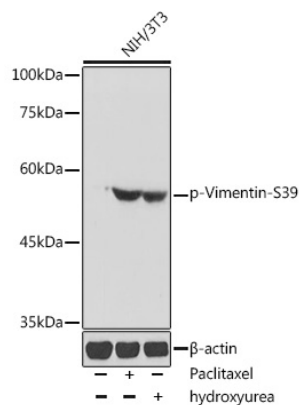
Affinity purification

### Storage

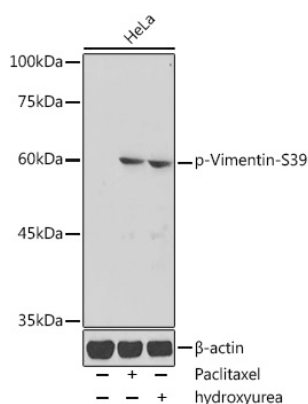
Store at -20°C. Avoid freeze / thaw cycles.

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

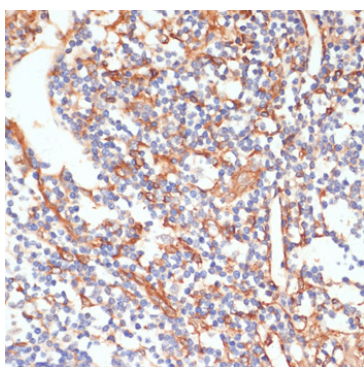
## Validation Data



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-Vimentin-S39 Rabbit pAb (AP0806) at 1:1000 dilution. NIH/3T3 cells were treated with Paclitaxel (100 nM/ml) at 37°C for 20 hours. NIH/3T3 cells were treated with Hydroxyurea (4 mM) 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% nonfat dry milk in TBST.  
 Detection: ECL Enhanced Kit (RM00021).  
 Exposure time: 1s.



Western blot analysis of lysates from HeLa cells, using Phospho-Vimentin-S39 Rabbit pAb (AP0806) at 1:1000 dilution. HeLa cells were treated with Paclitaxel (100 nM/ml) at 37°C for 20 hours. HeLa cells were treated with Hydroxyurea (4 mM) 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% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Human appendix using Phospho-Vimentin-S39 Rabbit pAb (AP0806) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.