

AP0806

Leader in Biomolecular Solutions for Life Science



# Phospho-Vimentin-S39 Rabbit pAb

Catalog No.: AP0806

4 Publications

## Basic Information

### Observed MW

57 kDa

### Calculated MW

54 kDa

### Category

Polyclonal 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

 [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

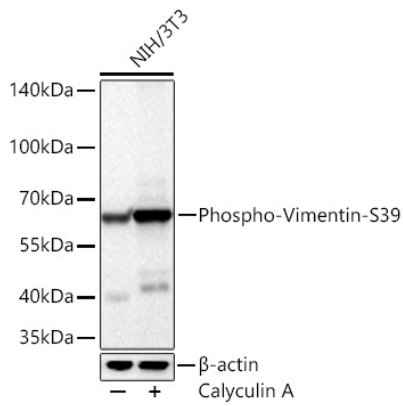
Affinity purification

### Storage

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

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

## Validation Data



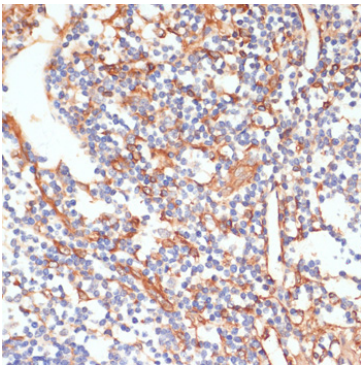
Western blot analysis of lysates from NIH/3T3 cells using Phospho-Vimentin-S39 Rabbit pAb (AP0806) at 1:1000 dilution incubated overnight at 4°C. NIH/3T3 cells were treated with Calyculin A (200 nM) for 30 minutes after serum starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30  $\mu$ g per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10 s.



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.