# Phospho-VIM-S83 Antibody kit

Catalog No.: RK05770



## **Basic Information**

#### **Observed MW**

60kDa

#### **Calculated MW**

54kDa

#### Category

Primary antibody

# **Recommended Dilutions**

AP0799 WB 1:500 - 1:2000

**A2584 WB** 1:500 - 1:2000

For more information please visit www.abclonal.com

#### **Product Information**

Source	Isotype	
Rabbit	IgG	

## **Purification**

Affinity purification

#### Storage

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

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

## Contact

2		400-999-6126
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•	Τ	www.abclonal.com.cn

# **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.

# Component

Catalog No.	Product Name	Applications	Cross-Reactivity
AP0799	Phospho-Vimentin-S83 Rabbit pAb	ELISA,WB	Human, Rat
A2584	Vimentin Rabbit pAb	ELISA,WB,IHC-P,IF/ICC	Human, Mouse, Rat

## **Immunogen Information**

**Gene ID**7431

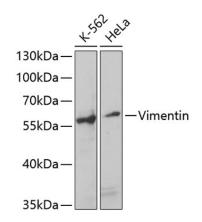
Swiss Prot
P08670

#### **Immunogen**

A synthetic phosphorylated peptide around S83 of human VIM (NP\_003371.2). Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human Vimentin (NP\_003371.2).

# **Synonyms**

CTRCT30;HEL113;Vimentin;VIM;vimentin



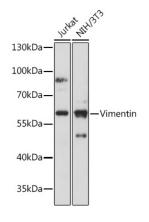
Western blot analysis of various lysates using Vimentin Rabbit pAb (A2584) at 1:1000 dilution.

Secondary antibody: HRP 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: 90s.



Western blot analysis of various lysates using Vimentin Rabbit pAb (A2584) at 1:500 dilution.

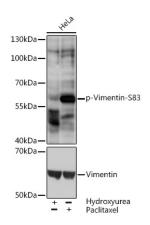
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



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  $37^{\circ}$ C for 20 hours or treated by Paclitaxel (100 nM/mL) at  $37^{\circ}$ C for 20 hours.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

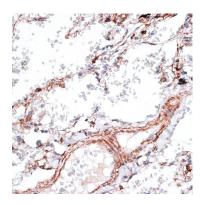
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.

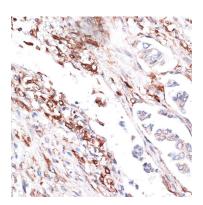
Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.

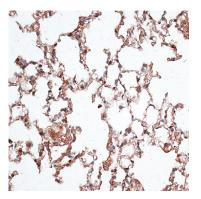
# **Validation Data**



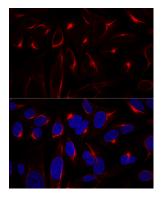
Immunohistochemistry analysis of Vimentin in paraffin-embedded human lung using Vimentin Rabbit pAb (A2584) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Vimentin in paraffin-embedded human lung cancer using Vimentin Rabbit pAb (A2584) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Vimentin in paraffin-embedded mouse lung using Vimentin Rabbit pAb (A2584) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol



Confocal immunofluorescence analysis of U2OS cells using Vimentin Rabbit pAb (A2584) at dilution of 1:100. Blue: DAPI for nuclear staining.