

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 - 1:2000For more information please visit
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.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | 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

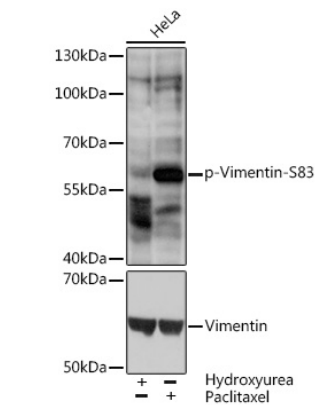
Immunogen

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).

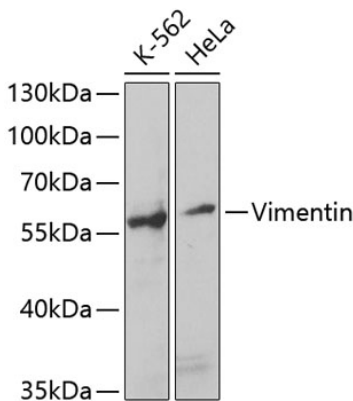
Synonyms

CTRCT30;HEL113;Vimentin;VIM;vimentin

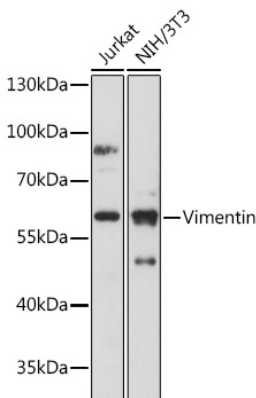
Validation Data



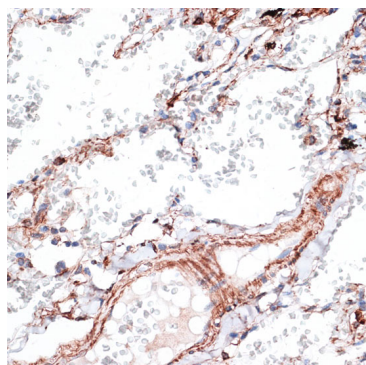
Western blot analysis of extracts of HeLa cells, using Phospho-Vimentin-S83 pAb (AP0799) at 1:2000 dilution or Vimentin antibody (A2584).HeLa cells were treated by Hydroxyurea (4 mM) at 37°C for 20 hours or treated by Paclitaxel (100 nM/mL) at 37°C for 20 hours.
Secondary antibody: HRP Goat Anti-Rabbit 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.



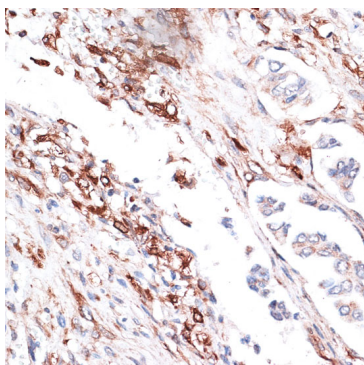
Western blot analysis of extracts of various cell lines, using Vimentin antibody (A2584) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 90s.



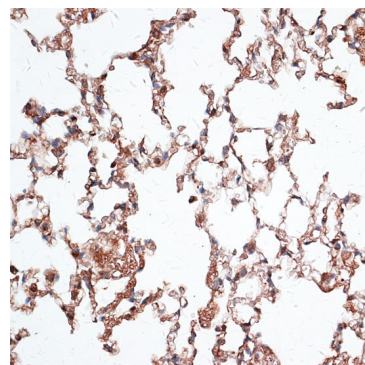
Western blot analysis of extracts of various cell lines, using Vimentin antibody (A2584) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



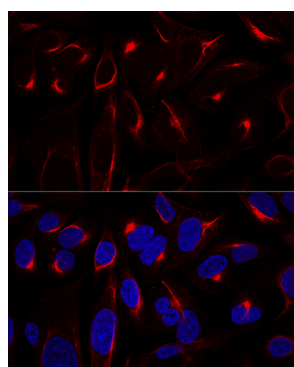
Immunohistochemistry analysis of paraffin-embedded human lung using Vimentin antibody (A2584) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human lung cancer using Vimentin antibody (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 paraffin-embedded mouse lung using Vimentin antibody (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 Polyclonal Antibody (A2584) at dilution of 1:100. Blue: DAPI for nuclear staining.