Recombinant Vimentin/VIM Monoclonal Antibody

catalog number: AN300103P

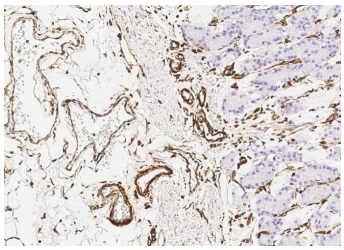
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

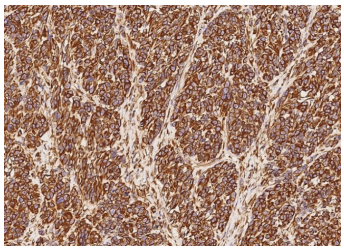
Reactivity	Human
Immunogen	A synthetic peptide corresponding to the center region of the Human Vimentin/VIM
Host	Rabbit
Isotype	IgG
Clone	A1217
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:500-1:2000
IHC-P	1:1000-1:10000

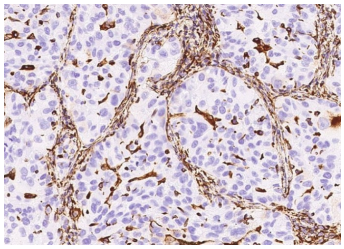
Data



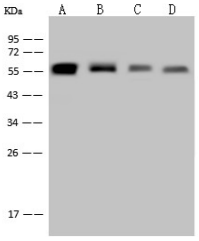
Immunohistochemistry of paraffin-embedded human stomach using Vimentin/VIM Monoclonal Antibody at dilution of 1:10000.



Immunohistochemistry of paraffin-embedded human malignant melanoma using Vimentin/VIM Monoclonal Antibody at dilution of 1:10000.



Immunohistochemistry of paraffin-embedded human lung cancer using Vimentin/VIM Monoclonal Antibody at dilution of 1:10000.



Western Blot with Vimentin/VIM Monoclonal Antibody at dilution of 1:500. Lane A: Hela Whole Cell Lysate, Lane B: A549 Whole Cell Lysate, Lane C: 293T Whole Cell Lysate, Lane D: Jurkat Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:55 kDa

Calculated-MW:54 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

Toll-free: 1-888-852-8623
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Web: www.elabscience.com
Email: techsupport@elabscience.com

Vimentin is a type III intermediate filament (IF) protein found in various non-epithelial cells, especially mesenchymal cells. A vimentin monomer, has a central α-helical domain and carboxyl (tail) domains. Two monomers compose the basic subunit of vimentin assembly. Vimentin is crucial for supporting and anchoring the position of the organelles in the cytosol. Vimentin provided cells with a resilience absent from the microtubule or actin filament networks, when under mechanical stress in vivo. Therefore, in general, it is accepted that vimentin is the cytoskeletal component responsible for maintaining cell integrity. Vimentin is also responsible for stabilizing cytoskeletal interactions. It is found that vimentin control the transport of low-density lipoprotein. It has been used as a sarcoma tumor marker to identify mesenchyme.

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