BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-Vimentin Antibody

Catalog Number: A00235-1

About VIM

This gene encodes a member of the intermediate filament family. Intermediate filamentents, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. It is also involved in the immune response, and controls the transport of low-density lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions as an organizer of a number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract.

Overview

Product Name	Anti-Vimentin Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Vimentin Antibody (Catalog # A00235-1). Tested in WB, IF, Flow Cytometry, IHC-P-Leica application(s). This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IF, WB, IHC-P-Leica
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P08670

Technical Details

Immunogen	This Vimentin antibody is generated from rabbits immunized with human Vimentin recombinant protein.
Predicted Reactive Species	Chicken, Mouse, Pig, Rat
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.

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Suggested Dilutions	IF: 1:50 WB: 1:2000 IHC-P-Leica: 1:500 FC: 1:50

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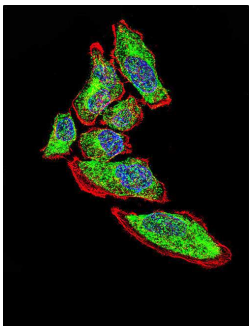
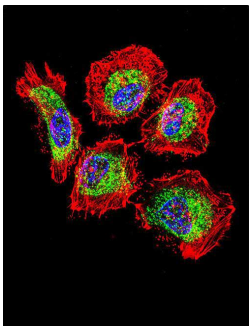
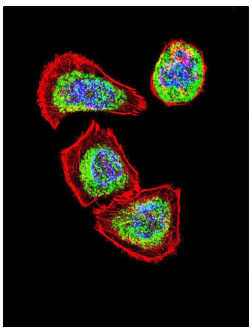
Anti-Vimentin Antibody (A00235-1) Images



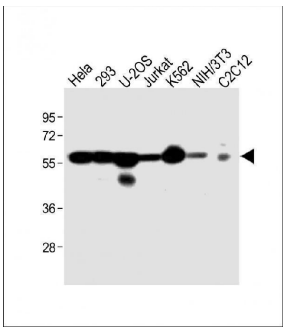
Confocal immunofluorescent analysis of Vimentin Antibody with A549 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



Confocal immunofluorescent analysis of Vimentin Antibody with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



Confocal immunofluorescent analysis of Vimentin Antibody with U251 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



All lanes : Anti-VIME Antibody at 1:4000 dilutionLane 1: Hela whole cell lysateLane 2: 293 whole cell lysateLane 3: U-2OS whole cell lysateLane 4: Jurkat whole cell lysateLane 5: K562 whole cell lysateLane 6: NIH/3T3 whole cell lysateLane 7: C2C12 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 54 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

All lanes : Anti-VIME Antibody at 1:2000 dilutionLane 1: Hela whole cell lysateLane 2: 293 whole cell lysateLane 3: U-2OS whole cell lysateLane 4: Jurkat whole cell lysateLane 5: K562 whole cell lysateLane 6: NIH/3T3 whole cell lysateLane 7: C2C12 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 54

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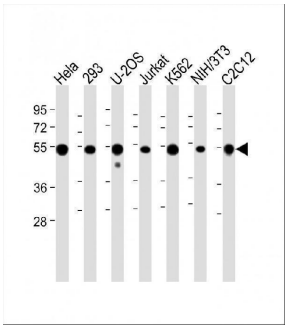
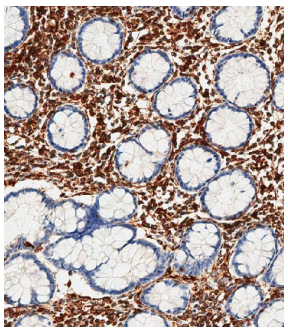
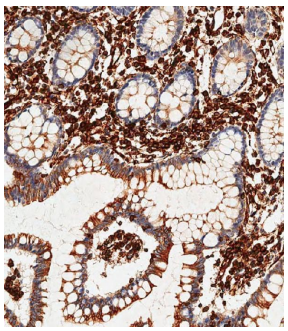


kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of paraffin-embedded Human small intestine tissue using A00235-1 performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody (1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



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Anti-Vimentin Antibody

For Research Use Only. Not for use in diagnostic procedures.