

## Recombinant Vimentin Monoclonal Antibody

catalog number: AN300850L

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

### Description

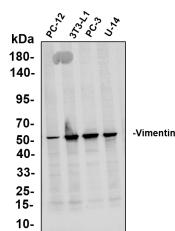
<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant Human Vimentin protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG,k
<b>Clone</b>	B793
<b>Purification</b>	Protein A
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications

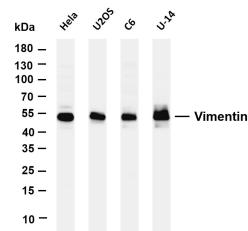
### Recommended Dilution

<b>IHC</b>	1:1000-1:5000
<b>WB</b>	1:1000-1:5000
<b>IF</b>	1:200-1:1000
<b>ELISA</b>	1:5000-1:20000

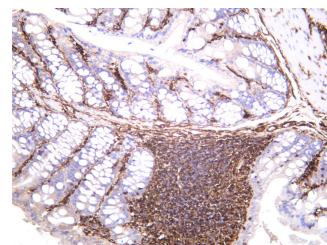
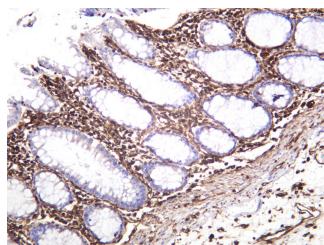
### Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:5000 dilution. The Dylight 800-conjugated Goat anti-Rabbit antibody was used to detect the antibody. Lane1: PC-12 - Rat adrenal pheochromocytoma Lane2: 3T3-L1 - Mouse embryonic fibroblast Lane3: PC-3 - Human prostate adenocarcinoma Lane4: U-14 - Mouse cervical carcinoma  
Predicted band size: 54kDa Observed band size: 54kDa



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Vimentin antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Hela Lane 2: U2OS Lane 3: C6 Lane 4: U-14 Predicted band size: 54kDa Observed band size: 54kDa



Human colon was stained with anti-Vimentin rabbit antibody Human colon was stained with anti-Vimentin rabbit antibody

### For Research Use Only

Toll-free: 1-888-852-8623

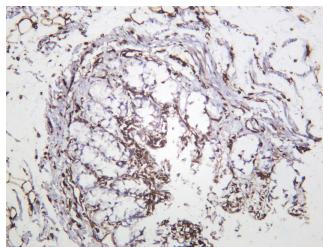
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

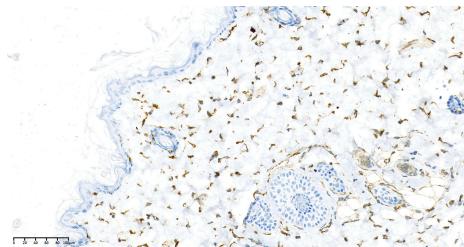
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

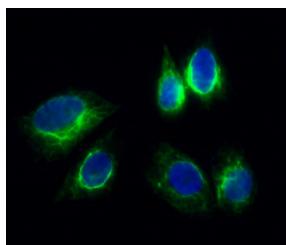
Rev. V1.2



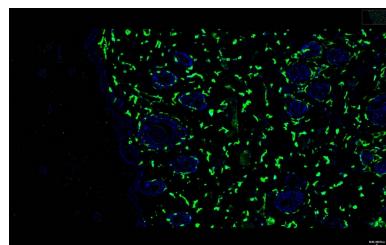
Rat colon was stained with anti-Vimentin rabbit antibody



Rat skin was stained with anti-Vimentin Rabbit antibody



Immunofluorescence analysis of HeLa cell. 1, Vimentin Antibody(green) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000(room temperature, 50min). 3 DAPI(blue) 10min.



Rat skin was stained with anti-Vimentin Rabbit antibody

### Preparation & Storage

**Storage** Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping** Ice bag

### Background

This gene encodes a member of the intermediate filament family. Intermediate filaments, 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.

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