

Vimentin (PT0495R) PT™ Rabbit mAb

CatalogNo: YM8324 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 54kD (Calculated)
- 54kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:1000-1:5000**WB 1:1000-1:5000****IF 1:200-1:1000****ELISA 1:5000-1:20000**

Basic Information

Clonality Monoclonal**Clone Number** PT0495R

Immunogen Information

Specificity Endogenous

Target Information

Gene name VIM

Protein Name Vimentin

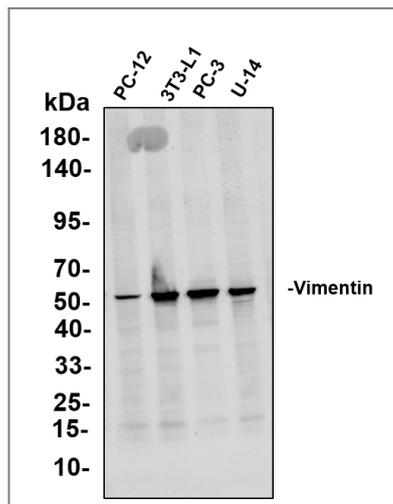
Organism	Gene ID	UniProt ID
Human	7431 ;	P08670 ;
Mouse	22352 ;	P20152 ;
Rat	81818 ;	P31000 ;

Cellular Localization Cytoplasm

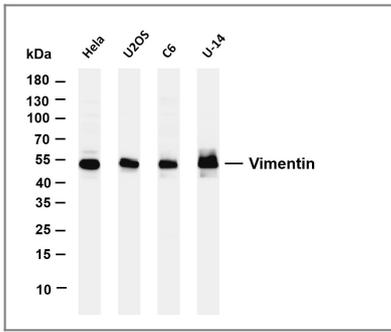
Tissue specificity Highly expressed in fibroblasts, some expression in T- and B-lymphocytes, and little or no expression in Burkitt's lymphoma cell lines. Expressed in many hormone-independent mammary carcinoma cell lines.

Function Function:Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells.,online information:Vimentin entry,PTM:One of the most prominent phosphoproteins in various cells of mesenchymal origin. Phosphorylation is enhanced during cell division, at which time vimentin filaments are significantly reorganized.,sequence Caution:Intron retention.,similarity:Belongs to the intermediate filament family.,subunit:Homopolymer. Interacts with HCV core protein. Interacts with LGSN and SYNM.,tissue specificity:Highly expressed in fibroblasts, some expression in T- and B-lymphocytes, and little or no expression in Burkitt's lymphoma cell lines. Expressed in many hormone-independent mammary carcinoma cell lines.,

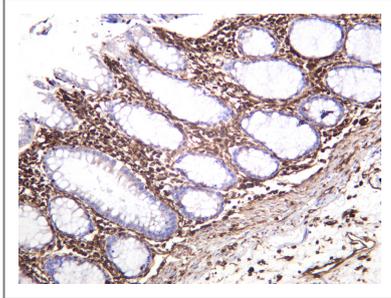
Validation Data



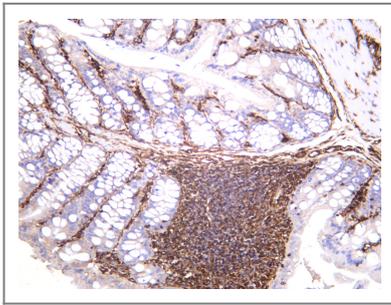
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:5000 dilution . The Dylight 800-conjugated Goat anti-Rabbit antibody(Cat:RS23920) was used to detect the antibody. Lane1: PC-12 - Rat adrenal pheochromocytoma Lane2: 3T3-L1 - Mouse embryonic fibroblast Lane3: PC-3 - Human prostate adenocarcinoma Lane4: U-14 - Mouse cervical carcinoma Predicted band size: 54kDa Observed band size: 54kDa



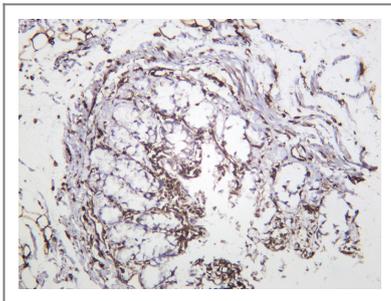
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Vimentin antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: U2OS Lane 3: C6 Lane 4: U-14 Predicted band size: 54kDa Observed band size: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



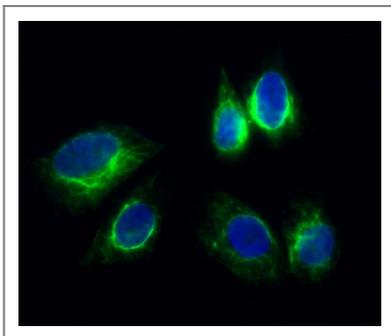
Human colon was stained with anti-Vimentin rabbit antibody



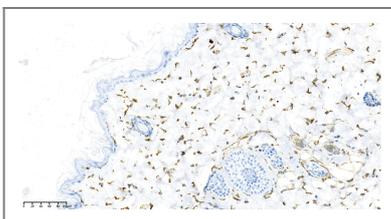
Mouse colon was stained with anti-Vimentin rabbit antibody



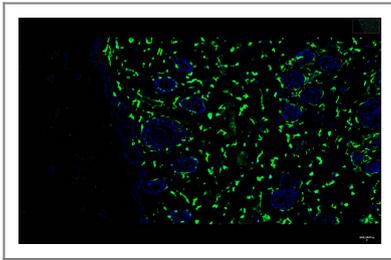
Rat colon was stained with anti-Vimentin rabbit antibody



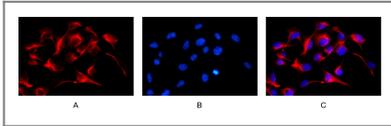
Immunofluorescence analysis of HeLa cell. 1, Vimentin Antibody(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 Catalog:RS3211 was diluted at 1:1000(room temperature, 50min). 3 DAPI(blue) 10min.



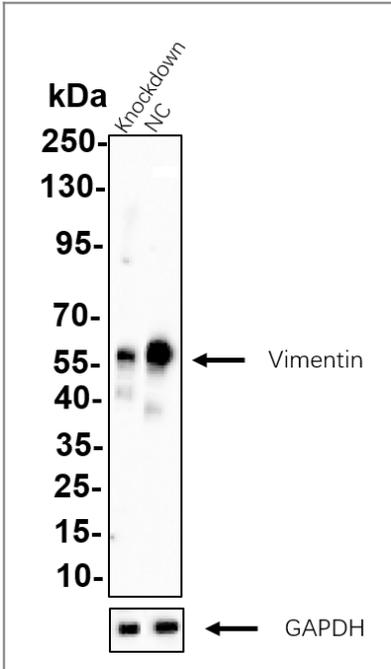
Rat skin was stained with anti-Vimentin Rabbit antibody



Rat skin was stained with anti-Vimentin Rabbit antibody



Immunofluorescence analysis of HEK293. Picture A: Vimentin antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B



Western blot analysis of lysates from Hela WT and knockdown cell. Cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with Vimentin PT0495R PT Rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

Contact information

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Please scan the QR code to access additional product information:
Vimentin (PT0495R)
PT™ Rabbit mAb

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