![Immunoway logo] Immunoway®
Best Way for Immunology

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
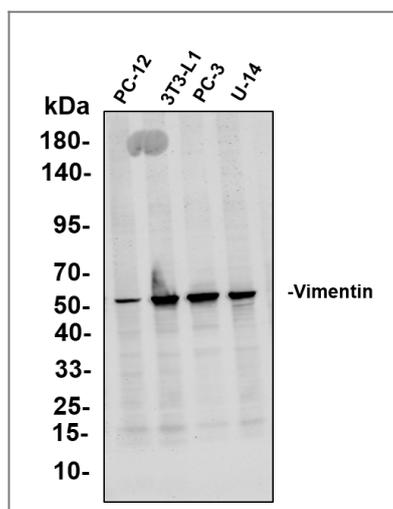
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4℃, over night with a 1:5000 dilution . The Dylight 800-conjugated Goat anti-Rabbit antibody(Cat:RS23920) was used to detect the antibody. Lane1: PC-12 - Rat adrenal pheochromocytoma Lane2: 3T3-L1 - Mouse embryonic fibroblast Lane3: PC-3 - Human prostate adenocarcinoma Lane4: U-14 - Mouse cervical carcinoma Predicted band size: 54kDa Observed band size: 54kDa
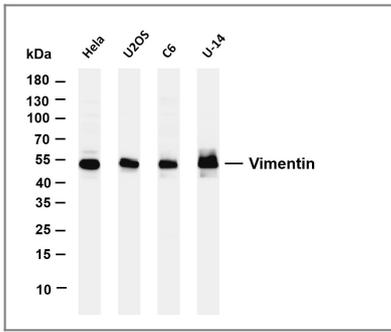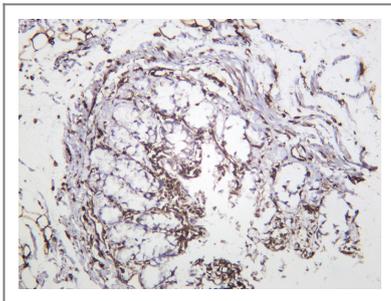
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Vimentin antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Hela Lane 2: U2OS Lane 3: C6 Lane 4: U-14 Predicted band size: 54kDa Observed band size: 54kDa
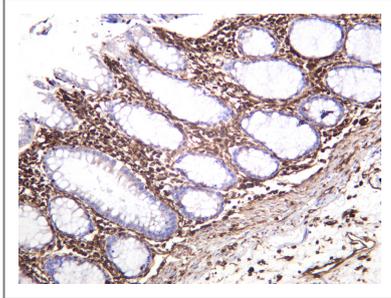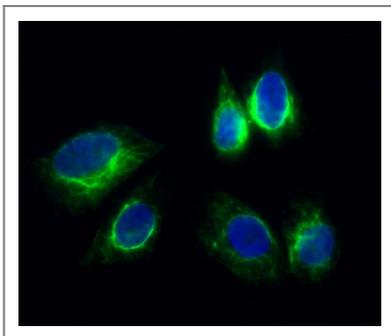

Human colon was stained with anti-Vimentin rabbit antibody
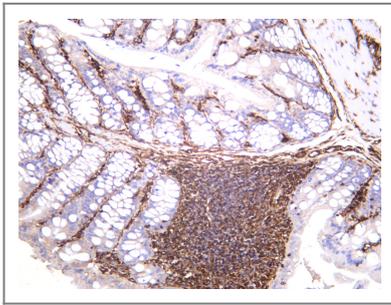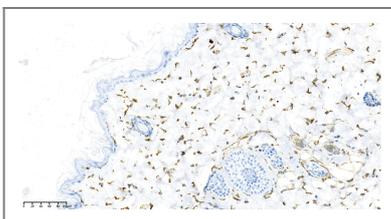

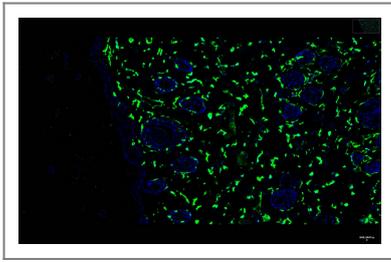Mouse colon was stained with anti-Vimentin rabbit antibody

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.
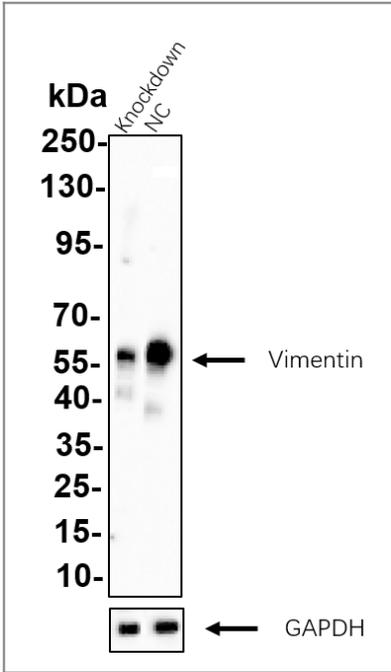

Rat skin was stained with anti-Vimentin Rabbit antibody

Rat skin was stained with anti-Vimentin Rabbit antibody
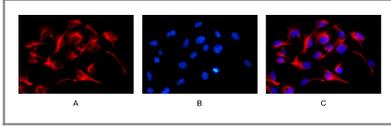
Immunofluorescence analysis of HEK293. Picture A: Vimentin antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

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

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

Antibody | ELISA Kits | Protein | Reagents