

**VIMENTIN MAB****Vimentin Monoclonal Antibody**

**Cat. #:** 26054

**Gene Symbol:** VIM

**Description:** Anti-Vimentin Mouse Monoclonal Antibody

**Background:** Vimentin is an intermediate filament protein found in various non-epithelial cells, especially in mesenchymal cells. It is often used as a marker of mesenchymally-derived cells or cells undergoing an epithelial-to-mesenchymal transition (EMT) during both normal development and metastatic progression.

**Immunogen:** A synthetic peptide from the internal region of human vimentin protein.

**Applications:** ELISA, WB, IHC, IP

**Recommended Dilutions:**

ELISA: 1:1000–1:5000

WB: 1:100–1:1000

IHC: 1:50–1:100

**Concentration:** 1 mg/ml

**Host Species:** Mouse

**Format:** Liquid

**Clonality:** Monoclonal

**Isotype:** IgG

**Purity:** Purified from ascites

**Preservative:** No

**Constituents:** PBS (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150 mM NaCl, 50% glycerol

**Species Reactivity:** Anti-vimentin antibody recognizes vimentin of vertebrates.

**Storage Conditions:** Store at  $-20^{\circ}C$ . Avoid repeated freezing and thawing

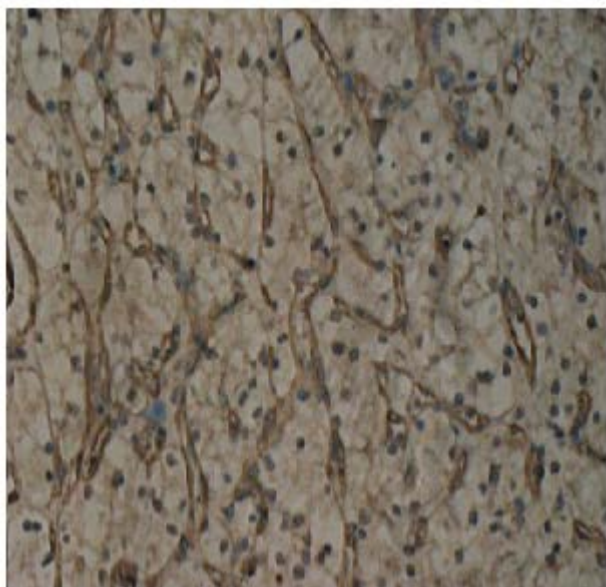
## Western blot:



### WB:Anti-Vimentin

Western blot analysis of recombinant vimentin protein. Purified His-tagged vimentin protein (Cat. #10190) was blotted with Anti-vimentin monoclonal antibody (Cat. # 26054).

## Immunohistochemistry:



Immunohistochemical analysis of paraffin-embedded human renal cancer tissue with anti-vimentin monoclonal antibody (Cat. #26054). Tissue samples were fixed with formaldehyde and blocked with 1% serum for 15 min at 37 °C. Antigen retrieval was by heat mediation in citrate buffer (pH6). Samples were then incubated with primary antibody (1:100 dilution) overnight at 4°C. A HRP-conjugated Goat anti-mouse IgG (1:50 dilution) was used as secondary antibody.