

### Vimentin Monoclonal Antibody(1A7)

**Catalog # AP63381** 

### **Specification**

## Vimentin Monoclonal Antibody(1A7) - Product Information

Application WB
Primary Accession P08670

Reactivity Human, Mouse, Rat

Host Mouse Clonality Monoclonal

# Vimentin Monoclonal Antibody(1A7) - Additional Information

**Gene ID 7431** 

Other Names VIM; Vimentin

**Dilution** 

WB~~WB: 1:1000-3000

**Format** 

PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

**Storage Conditions** 

-20°C

## Vimentin Monoclonal Antibody(1A7) - Protein Information

### Name VIM (HGNC:12692)

#### **Function**

Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is attached to the nucleus, endoplasmic reticulum, and mitochondria, either laterally or terminally. Plays a role in cell directional movement, orientation, cell sheet organization and Golgi complex polarization at the cell migration front (By similarity). Protects SCRIB from proteasomal degradation and facilitates its localization to intermediate filaments in a cell contact-mediated manner (By similarity).

### **Cellular Location**

Cytoplasm. Cytoplasm, cytoskeleton. Nucleus matrix {ECO:0000250|UniProtKB:P31000}. Cell membrane {ECO:0000250|UniProtKB:P20152}

### **Tissue Location**

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.

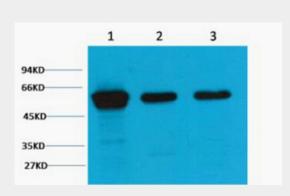


## Vimentin Monoclonal Antibody(1A7) - Protocols

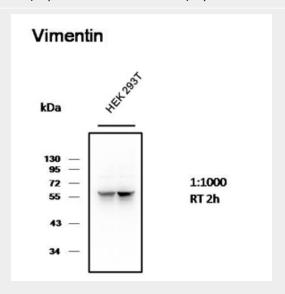
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# Vimentin Monoclonal Antibody(1A7) - Images



Western blot analysis of 1) Hela, 2) Mouse Brain Tissue, 3) Rat Brain tissue, diluted at 1:2000.



Western blot analysis of 293T cell with Mouse mAb diluted at 1:1000





# Vimentin Monoclonal Antibody(1A7) - Background

Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is attached to the nucleus, endoplasmic reticulum, and mitochondria, either laterally or terminally.