

# Vimentin Antibody

Rabbit mAb

Catalog # AP90192

## Product Information

<b>Application</b>	WB, IHC, IF, FC, ICC, IHF
<b>Primary Accession</b>	<a href="#">P08670</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	FLJ36605; VIM; VIME; Vimentin
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	53652

## Additional Information

<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:30
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Vimentin
<b>Description</b>	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. Involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

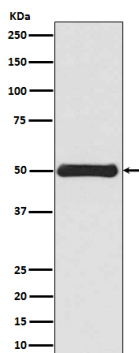
<b>Name</b>	VIM ( <a href="#">HGNC:12692</a> )
<b>Function</b>	Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is attached to the nucleus, endoplasmic reticulum, and mitochondria, either laterally or terminally. Plays a role 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). May promote axon outgrowth and motor fiber repair via DSP-mediated recruitment to outgrowth tips (By similarity).
<b>Cellular Location</b>	Cytoplasm. Cytoplasm, cytoskeleton. Nucleus matrix {ECO:0000250 UniProtKB:P31000}. Cell membrane {ECO:0000250 UniProtKB:P20152}. Cell projection, axon {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.

## Images

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Western blot analysis of Vimentin expression in HEK293 cell lysate.

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Immunohistochemical analysis of paraffin-embedded human colon, using Vimentin Antibody.

Image not found : 202311/AP90192-IF.jpg

Immunofluorescent analysis of Hela cells, using Vimentin Antibody.

Image not found : 202311/AP90192-wb5.jpg

Prostaglandin E1 Inhibited Diabetes-Induced Phenotypic Switching of Vascular Smooth Muscle Cells Through Activating Autophagy. -Cellular Physiology and Biochemistry

Image not found : 202311/AP90192-wb6.jpg

Overexpression of the 14-3-3 $\gamma$  protein in uterine leiomyoma cells results in growth retardation and increased apoptosis. -Cellular Signalling

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.