

Rabbit Vimentin Monoclonal Antibody | anti-VIM antibody

Recombinant Vimentin Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA178774	Rabbit	Human, Mouse, Rat, Hamster	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Vimentin; Monoclonal Antibody; Recombinant Vimentin Monoclonal Antibody; CTRCT30; Epididymis luminal protein 113; FLJ36605; HEL113; VIM; VIME; anti-VIM antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Hamster
Clonality	Monoclonal
Isotype	IgG
Clone Number	R02-8C4
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Concentration	300ug/mL (varies by lot)
Applicable Applications for anti-VIM antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human Vimentin
Research Area	Cancer, Developmental Biology, Neuroscience, Signal Transduction, Stem Cells
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



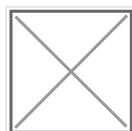
IF (Immunofluorescence)

Immunofluorescence of Vimentin (green) in HeLa using Vimentin antibody at dilution 1:20, and DAPI(blue)



IHC (Immunohistochemistry)

Immunohistochemistry of Vimentin in paraffin-embedded Human tonsil using Vimentin Rabbit mAb at dilution 1:100



WB (Western Blot)

Western blot detection of Vimentin in C6, CHO-K1, HeLa cell lysates using Vimentin Rabbit mAb(1:1000 diluted). Predicted band size: 54kDa. Observed band size: 54kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-VIM antibody	Vimentin,also named as VIM,belongs to the intermediate filament family. Vimentin is class-III intermediate filaments found in various non-epithelial cells,especially mesenchymal cells. Vimentin is important for stabilizing the architecture of the cytoplasm. Monocyte-derived macrophages secrete vimentin into the extracellular space in vitro. Secretion of vimentin was enhanced by the proinflammatory cytokine tumor necrosis factor-alpha (TNFA; 191160) and inhibited by the antiinflammatory cytokine IL10 (124092),suggesting that vimentin is involved in the immune response. Vimentin has specialized functions that contribute to specific dynamic cellular processes. As a phosphoprotein,55-60 kDa of vimentin proteins can be observed due to the different phosphorylation level.
Product Categories/Family for anti-VIM antibody	Antibodies; Primary Antibodies; Recombinant Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	62414289
NCBI GeneID	7431
NCBI Accession #	NP_003371.2
NCBI GenBank Nucleotide #	NM_003380.3
UniProt Accession #	P08670; Q15867; Q15868; Q15869; Q548L2; Q6LER9; Q8N850; Q96ML2; Q9NTM3; B0YJC2; D3DRU4
Molecular Weight	53,652 Da
NCBI Official Full Name	vimentin
NCBI Official Synonym Full Names	vimentin
NCBI Official Symbol	VIM
NCBI Protein Information	vimentin
UniProt Protein Name	Vimentin
UniProt Gene Name	VIM
UniProt Entry Name	VIME_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.