Vimentin (VIM) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Vimentin, Polyclonal Antibody
Full Product Name	Vimentin Antibody HRP Conjugated
Product Gene Name	anti-VIM antibody
Product Synonym Names	HEL113; CTRCT3; Vimentin; VIM; Vimentin
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat, Pig
Form/Format	10mM Tris Buffered Saline containing 1% BSA, 50% glycerol and 0.09% Gentamicin.
Purity/Purification	Purified by Protein A
Concentration	1mgml (lot specific)
Preparation and Storage	Store at 4 degree C for 12 months.
Molecular Weight	53,652 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (17270258..17279592). Location: 10p13
OMIM	193060
3D Structure	ModBase 3D Structure for P08670
Conjugation	HRP
Immunogen	KLH conjugated synthetic peptide aa 416-466 466 derived from human Vimentin
Product Categories/Family for anti-VIM antibody	Conjugated Primary Antibodies
Applications Tested/Suitable for anti-VIM antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P)
Application Notes for anti-VIM antibody	WB: 1:100-1000 IHC: 1:100-500
Related Product Information for anti-VIM antibody	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.
Other Notes	Small volumes of anti-VIM antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for VIM purchase	MBS9460035 is an antibody targeting VIM. Also known as Vimentin Antibody HRP Conjugated. Reactive in Human, Mouse, Rat, Pig. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VIM. It may not necessarily be applicable to this product.

NCBI GI #	62414289
NCBI GeneID	7431
NCBI Accession #	NP_003371.2
UniProt Primary Accession #	P08670
UniProt Secondary Accession #	Q15867; Q15868; Q15869; Q548L2; Q6LER9; Q8N850; Q96ML2; Q9NTM3; B0YJC2; D3DRU4
UniProt Related Accession #	P08670
GenBank Nucleotide #	NM_003380.3
NCBI Official Full Name	vimentin
NCBI Official Synonym Full Names	vimentin
NCBI Official Symbol	VIM
UniProt Protein Name	Vimentin
Protein Family	Vimentin
UniProt Gene Name	VIM
UniProt Entry Name	VIME_HUMAN
NCBI Protein Information	vimentin
NCBI Summary for VIM	This gene encodes a member of the intermediate filament family. Intermediate filamentents, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. It is also involved in the immune response, and controls the transport of low-density lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions as an organizer of a number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract.[provided by RefSeq, Jun 2009]
UniProt Comments for VIM	Vimentin: an intermediate filament protein. Intermediate filament proteins are expressed in a tissue-specific manner. Desmin is the subunit specific for muscle and vimentin the subunit specific for mesenchymal tissue. Protein type: Cytoskeletal; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 10p13 Cellular Component: intermediate filament cytoskeleton; neuron projection; focal adhesion; cytoskeleton; cytoplasm; leading edge; plasma membrane; intermediate filament; peroxisome; cytosol Molecular Function: protein C-terminus binding; identical protein binding; protein binding; structural constituent of cytoskeleton; double-stranded RNA binding; glycoprotein binding; structural constituent of eye lens Biological Process: Bergmann glial cell differentiation; viral reproduction; apoptosis; intermediate filament organization; cell motility; astrocyte development; cell structure disassembly during apoptosis; muscle filament sliding Disease: Cataract 30
Research Articles on VIM	**1.** Methylation levels of EOMES, HOXA9, POU4F2, TWIST1, VIM, and ZNF154 in urine specimens are promising diagnostic biomarkers for bladder cancer recurrence surveillance
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