

Chicken Vimentin Polyclonal Antibody | anti-VIM antibody

Anti-Vimentin

CATALOG # AAA72807	HOST Chicken	REACTIVITY Bovine, human, mouse, rat	APPLICATIONS Immunofluorescence, Western Blot
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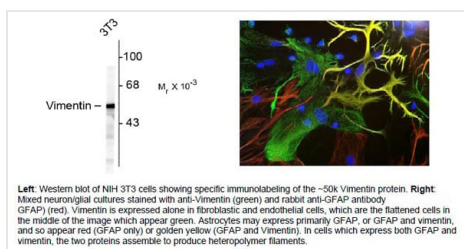
PRODUCT SYNONYMS

Vimentin; Polyclonal Antibody; Anti-Vimentin; anti-VIM antibody

PRODUCT SPECIFICATIONS

Host	Chicken
Reactivity	Bovine, human, mouse, rat
Clonality	Polyclonal
Specificity	Specific for the ~50kDa Vimentin protein in Western blots of human, mouse and rat. It is expected that it will work on other mammalian tissues.
Purity/Purification	Total IgY fraction (Total IgY fraction.)
Form/Format	Liquid. Contains 10 mM sodium azide.
Sequence Length	466
Applicable Applications for anti-VIM antibody	IF (Immunofluorescence), WB (Western Blot)
Packaging	100ul antibody per vial + 10mM NaN ₃ . Adequate amount of material to conduct 10-mini Western Blots.
Species Reactivity Note	The antibody has been directly tested for reactivity in human, mouse and rat. It is expected that it will work on other mammalian tissues.
Biological Significance	Vimentin is the major protein subunit of the 10nm or intermediate filaments (IFs) found in many kinds of mesenchymal and epithelial cells as well as developing neuronal and astrocytic precursor cells in the CNS. Vimentin is thought to be critically involved in lymphocyte adhesion and transmigration (Nieminen M et al. 2006). Copolymers are frequently formed between vimentin and other IFs, such as GFAP (in many kinds of astrocytes), desmin (in muscle cells) and neurofilament proteins (in developing neurons). Antibodies to vimentin are useful in studies of stem cells and generally to reveal the filamentous cytoskeleton. Recent studies suggest that vimentin affects prostate cancer cells motility and invasiveness (Zhao et al. 2008).
Preparation and Storage	Store at -20 degree C in undiluted aliquots; stable for at least 1 year. Avoid freeze/thaw cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-VIM antibody	Chicken polyclonal antibody
References	• Nieminen M, Henttinen T, Merinen M, Marttila-Ichihara F, Eriksson JE, Jalkanen S (2006) Vimentin function in lymphocyte adhesion and transcellular migration. Nat Cell Biol 8(2):156-62. • Zhao Y, Yan Q, Long X, Chen X, Wang Y (2008) Vimentin affects the mobility and invasiveness of prostate cancer cells. Cell Biochem Funct. May 8 [Epub ahead of print]

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	50
NCBI Official Full Name	vimentin
NCBI Official Synonym Full Names	vimentin
NCBI Official Symbol	VIM
NCBI Official Synonym Symbols	HEL113; CTRCT30
NCBI Protein Information	vimentin; epididymis luminal protein 113
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/vimentin-antibody-immunofluorescence-western-blot-elisa/72807>