

Rabbit Vimentin Polyclonal Antibody | anti-VIM antibody

Vimentin Antibody (S82)

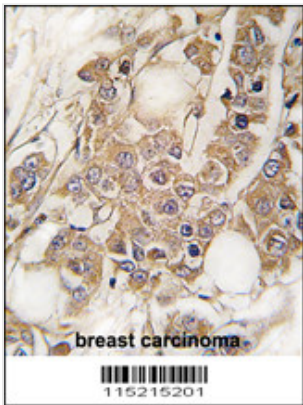
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287309	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Hamster, Monkey, Rat)	Immunohistochemistry, Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

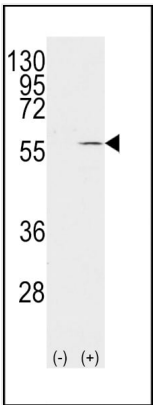
Vimentin; Polyclonal Antibody; Vimentin Antibody (S82); VIM; anti-VIM antibody

PRODUCT SPECIFICATIONS

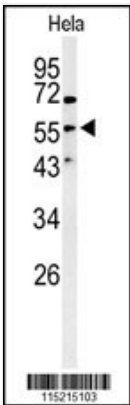
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Hamster, Monkey, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Vimentin antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 63-90 amino acids from human Vimentin.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	63-90
Sequence Length	466
Applicable Applications for anti-VIM antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



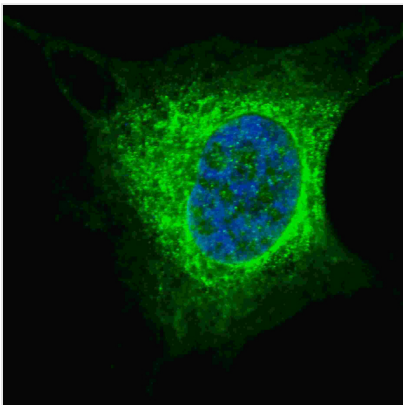
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with Vimentin Antibody (S82) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of VIM(arrow) using rabbit polyclonal Vimentin Antibody (S82). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the VIM gene (Lane 2) (Origene Technologies).



WB (Western Blot)
Western blot analysis of Vimentin-S82 in HeLa cell line lysates (35ug/lane). Vimentin (arrow) was detected using the purified Pab.



IF (Immunofluorescence)
Fluorescent confocal image of SY5Y cells stained with Vimentin (S82) antibody. SY5Y cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with AAA287309 Vimentin (S82) primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 ug/ml, 5 min). Note the highly specific localization of the Vimentin immunosignal to the cytoskeleton, supported by Human Protein Atlas Data (<http://www.proteinatlas.org/ENSG00000026025>).

ADDITIONAL INFORMATION

Related Product Information for anti-VIM antibody	Along with the microfilaments (actins) and microtubules (tubulins), the intermediate filaments represent a third class of well-characterized cytoskeletal elements. The subunits display a tissue-specific pattern of expression. Desmin (MIM 125660) is the subunit specific for muscle and vimentin the subunit specific for mesenchymal tissue.
Product Categories/Family for anti-VIM antibody	Cancer; Developmental biology; Neuroscience; Signal transduction
References	References for protein: 1. Whipple,R.A.,Cancer Res. 68 (14), 5678-5688 (2008) 2. Garcia-Verdugo,I.,Biochemistry 47 (18), 5127-5138 (2008) 3. Merdes,A., J. Cell Biol. 115 (2), 397-410 (1991) References for SY5Y (SH-SY5Y; #CRL-2266): 1. Ross RA, et al. Coordinate morphological and biochemical interconversion of human neuroblastoma cells. J. Natl. Cancer Inst. 71: 741-749, 1983. [PubMed: 6137586]; 2. Biedler JL, et al. Multiple neurotransmitter synthesis by human neuroblastoma cell lines and clones. Cancer Res. 38: 3751-3757, 1978. [PubMed: 29704]

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	53652
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
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-immunohistochemistry-western-blot-immunofluorescence-elisa/287309>