

## Rabbit anti-Human Vimentin Monoclonal Antibody | anti-VIM antibody

Recombinant Anti-Vimentin Antibody, Rabbit Monoclonal

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA254163</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

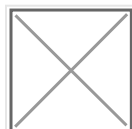
### PRODUCT SYNONYMS

Vimentin; Monoclonal Antibody; Recombinant Anti-Vimentin Antibody; Rabbit Monoclonal; Vimentin Antibody; Rabbit MAb; vimentin; Anti-CTRCT30 Antibody; Anti-HEL113 Antibody; anti-VIM antibody

### PRODUCT SPECIFICATIONS

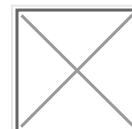
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|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                    | Human                                                                                                                                                                                                                                                                 |
| Clonality                                     | Monoclonal                                                                                                                                                                                                                                                            |
| Isotype                                       | Rabbit IgG                                                                                                                                                                                                                                                            |
| Clone Number                                  | 211                                                                                                                                                                                                                                                                   |
| Specificity                                   | Human Vimentin                                                                                                                                                                                                                                                        |
| Purity/Purification                           | Protein A                                                                                                                                                                                                                                                             |
| Form/Format                                   | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-VIM antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                            |
| Antibody Type                                 | Recombinant Antibody                                                                                                                                                                                                                                                  |
| Immunogen                                     | A synthetic peptide corresponding to the center region of the Human Vimentin                                                                                                                                                                                          |
| Conjugation                                   | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                   | This antibody was obtained from a rabbit immunized with a synthetic peptide corresponding to the center region of the Human Vimentin. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.                             |
| Preparation and Storage                       | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunochemical staining of human Vimentin in human malignant melanoma with rabbit monoclonal antibody (1:500, formalin-fixed paraffin embedded sections).



#### IHC (Immunohistochemistry)

Immunochemical staining of human Vimentin in human stomach with rabbit monoclonal antibody (1:500, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-VIM antibody | Vimentin is a type III intermediate filament (IF) protein found in various non-epithelial cells, especially mesenchymal cells. A vimentin monomer, has a central alpha-helical domain and carboxyl (tail) domains. Two monomers compose the basic subunit of vimentin assembly. Vimentin is crucial for supporting and anchoring the position of the organelles in the cytosol. Vimentin provided cells with a resilience absent from the microtubule or actin filament networks, when under mechanical stress in vivo. Therefore, in general, it is accepted that vimentin is the cytoskeletal component responsible for maintaining cell integrity. Vimentin is also responsible for stabilizing cytoskeletal interactions. It is found that vimentin control the transport of low-density lipoprotein. It has been used as a sarcoma tumor marker to identify mesenchyme. |
| References                                        | Russell RL, et al. (2001) Uridine phosphorylase association with vimentin. Intracellular distribution and localization. J Biol Chem. 276(16):13302-7.Moinova, et al. (2012) Aberrant Vimentin Methylation is Characteristic of Upper GI Pathologies. Cancer Epidemiology Biomarkers Prev. 21(4):594-600.Leader M, et al. (1987) Vimentin: an evaluation of its role as a tumour marker. Histopathology. 11(1):63-72.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/vimentin-antibody-clone-211-immunohistochemistry-elisa/254163>