

# KD-Validated Anti-Phospho-Vimentin (Ser72) Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1422

## Product Information

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|-------------------|-------------------------------------------------------------------|
| Application       | WB, FC, ICC                                                       |
| Primary Accession | <a href="#">P08670</a>                                            |
| Reactivity        | Rat, Human, Mouse                                                 |
| Clonality         | Monoclonal                                                        |
| Isotype           | Rabbit IgG                                                        |
| Clone Names       | 25GB3480                                                          |
| Calculated MW     | 53652                                                             |
| Gene Name         | VIM                                                               |
| Aliases           | VIM; Vimentin; Epididymis Secretory Sperm Binding Protein 3       |
| Immunogen         | A synthesized peptide derived from human Phospho-Vimentin (Ser72) |

## Additional Information

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|-------------|------------------------------------------------------------------------------|
| Gene ID     | 7431                                                                         |
| Other Names | Vimentin {ECO:0000312   HGNC:HGNC:12692}, VIM ( <a href="#">HGNC:12692</a> ) |

## Protein Information

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| Name              | VIM ( <a href="#">HGNC:12692</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Function          | 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. Plays a role in cell directional movement, orientation, cell sheet organization and Golgi complex polarization at the cell migration front (By similarity). Protects SCRIB from proteasomal degradation and facilitates its localization to intermediate filaments in a cell contact-mediated manner (By similarity). May promote axon outgrowth and motor fiber repair via DSP-mediated recruitment to outgrowth tips (By similarity). |
| Cellular Location | Cytoplasm. Cytoplasm, cytoskeleton. Nucleus matrix {ECO:0000250   UniProtKB:P31000}. Cell membrane {ECO:0000250   UniProtKB:P20152}. Cell projection, axon {ECO:0000250   UniProtKB:P20152}                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Tissue Location   | Highly expressed in fibroblasts, some expression in T- and B-lymphocytes, and little or no expression in Burkitt's lymphoma cell lines. Expressed in many hormone-independent mammary carcinoma cell lines.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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