

# Phospho-Vimentin (S72) Antibody

Rabbit mAb

Catalog # AP90160

## Product Information

|                          |                        |
|--------------------------|------------------------|
| <b>Application</b>       | WB, IP                 |
| <b>Primary Accession</b> | <a href="#">P08670</a> |
| <b>Reactivity</b>        | Human, Mouse, Rat      |
| <b>Clonality</b>         | Monoclonal             |
| <b>Other Names</b>       | VIM; VIME; Vimentin;   |
| <b>Isotype</b>           | Rabbit IgG             |
| <b>Host</b>              | Rabbit                 |
| <b>Calculated MW</b>     | 53652                  |

## Additional Information

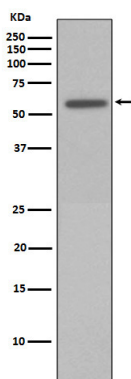
|                                     |  |
|-------------------------------------|--|
| <b>Dilution</b>                     | WB 1:500~1:2000 IP 1:50  |
| <b>Purification</b>                 | Affinity-chromatography  |
| <b>Immunogen</b>                    | A synthesized peptide derived from human Phospho-Vimentin (S72)  |
| <b>Description</b>                  | 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. |
| <b>Storage Condition and Buffer</b> | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.  |

## Protein Information

|                          |   |
|--------------------------|---|
| <b>Name</b>              | VIM ( <a href="#">HGNC:12692</a> )  |
| <b>Function</b>          | 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). |
| <b>Cellular Location</b> | Cytoplasm. Cytoplasm, cytoskeleton. Nucleus matrix {ECO:0000250 UniProtKB:P31000}. Cell membrane {ECO:0000250 UniProtKB:P20152}   |
| <b>Tissue Location</b>   | 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.   |

## Images

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Western blot analysis of Phospho-Vimentin (Ser72) in HeLa cell lysates treated with Calyculin A.

Image not found : 202311/AP90160-wb6.jpg

Overexpression of the 14-3-3 $\gamma$  protein in uterine leiomyoma cells results in growth retardation and increased apoptosis. -Cellular Signalling

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.