

KD-Validated Anti-Phospho-Vimentin (Ser56) Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1123**Specification****KD-Validated Anti-Phospho-Vimentin (Ser56) Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	P08670
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 54 kDa; observed, 54 kDa kDa
Gene Name	VIM
Aliases	VIM; Vimentin; Epididymis Secretory Sperm Binding Protein 3
Immunogen	A synthesized peptide derived from human Phospho-Vimentin (Ser56)

KD-Validated Anti-Phospho-Vimentin (Ser56) Rabbit Monoclonal Antibody - Additional Information

Gene ID	7431
Other Names	
Vimentin {ECO:0000312 HGNC:HGNC:12692}, VIM (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=12692)	

KD-Validated Anti-Phospho-Vimentin (Ser56) Rabbit Monoclonal Antibody - Protein Information**Name** VIM ([HGNC:12692](#))**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).

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton. Nucleus matrix {ECO:0000250|UniProtKB:P31000}. Cell membrane {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

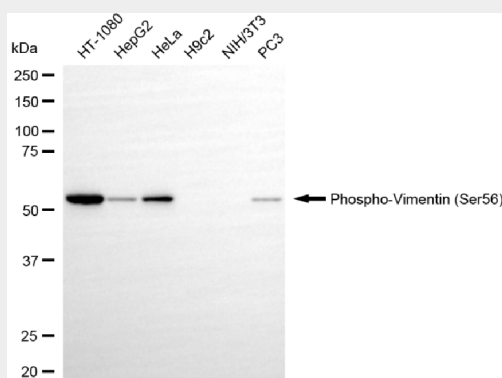
carcinoma cell lines.

KD-Validated Anti-Phospho-Vimentin (Ser56) Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

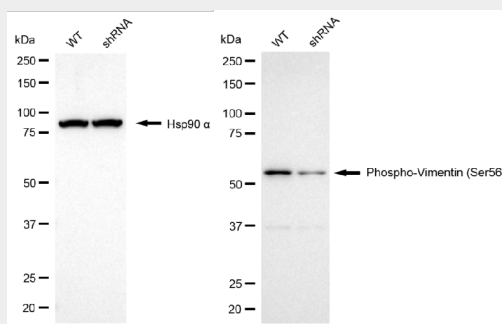
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-Phospho-Vimentin (Ser56) Rabbit Monoclonal Antibody - Images



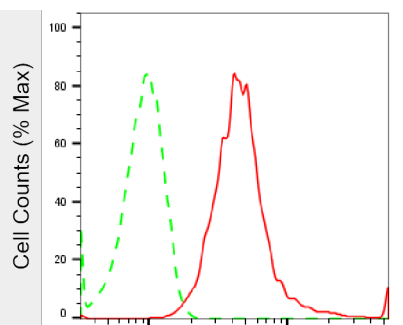
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Western blotting analysis using anti-phospho-vimentin (Ser56) antibody (Cat#AGI1123). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-phospho-vimentin (Ser56) antibody (Cat#AGI1123, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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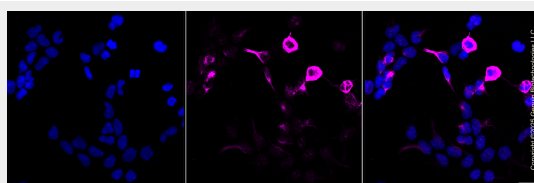
Western blotting analysis using anti-phospho-vimentin (Ser56) antibody (Cat#AGI1123). Phospho-vimentin (Ser56) expression in wild-type (WT) and VIM shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-phospho-vimentin (Ser56) antibody (Cat#AGI1123, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Phospho-Vimentin (Ser56)-Alexa Fluor® 647

Flow cytometric analysis of Phospho-Vimentin (Ser56) expression in HeLa cells using anti-Phospho-Vimentin (Ser56) antibody (Cat#AGI1123, 1:2,000). Green, isotype control; red, Phospho-Vimentin (Ser56).



Immunocytochemical staining of HeLa cells with anti-Phospho-Vimentin (Ser56) protein antibody (Cat#AGI1123, 1:1,000). Nuclei were stained blue with DAPI; Phospho-Vimentin (Ser56) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.