

Vimentin Antibody (clone V9)
Mouse Monoclonal Antibody
Catalog # ALS16522**Specification**

Vimentin Antibody (clone V9) - Product Information

Application	IHC
Primary Accession	P08670
Other Accession	7431
Reactivity	Human, Rat, Chicken, Sheep
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	53652

Vimentin Antibody (clone V9) - Additional Information**Gene ID** 7431**Other Names**

VIM, Vimentin

Target/Specificity

Reacts exclusively with vimentin, which is expressed in mesenchymal cells and mesenchymal derived tumors e.g. lymphoma, sarcoma and melanoma.

Reconstitution & Storage

PBS containing 0.09% sodium azide. Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

Vimentin Antibody (clone V9) is for research use only and not for use in diagnostic or therapeutic procedures.

Vimentin Antibody (clone V9) - Protein Information**Name** VIM**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.

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.

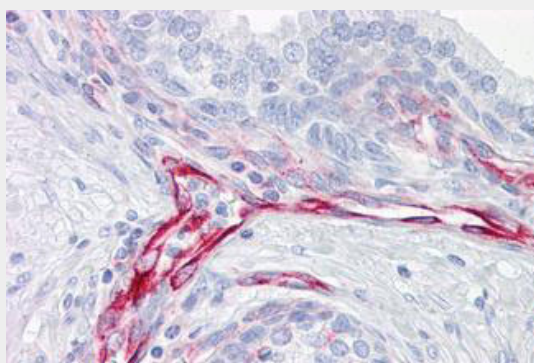
Volume
50 µl

Vimentin Antibody (clone V9) - 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](#)

Vimentin Antibody (clone V9) - Images



Anti-Vimentin antibody IHC of human prostate.

Vimentin Antibody (clone V9) - Background

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.

Vimentin Antibody (clone V9) - References

Ferrari S., et al. Mol. Cell. Biol. 6:3614-3620(1986).
Honore B., et al. Nucleic Acids Res. 18:6692-6692(1990).
Hartmann T.B., et al. Br. J. Dermatol. 150:252-258(2004).
Zimbelmann R., et al. Submitted (JUN-2007) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).