

**VIME Antibody**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM1929b****Specification**

---

**VIME Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">P08670</a>
Other Accession	<a href="#">NP_003371.2</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgM,k
Calculated MW	53652

**VIME Antibody - Additional Information****Gene ID** 7431**Other Names**  
Vimentin, VIM**Target/Specificity**

This VIME monoclonal antibody is generated from mouse immunized with VIME recombinant protein.

**Dilution**

WB~~1:500~1000

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

VIME Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**VIME Antibody - 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}

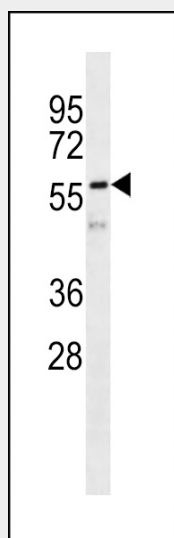
**Tissue Location**

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.

**VIME 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](#)

**VIME Antibody - Images**

VIME Antibody (Cat. #AM1929b) western blot analysis in HeLa cell line lysates (35µg/lane). This demonstrates the VIME antibody detected the VIME protein (arrow).

**VIME Antibody - Background**

This gene encodes a member of the intermediate filament family. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. It is also involved in the immune response, and controls the transport of low-density lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions as an organizer of a

number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract.

#### **VIME Antibody - References**

Kers, J., et al. Transplantation 90(5):502-509(2010)  
Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :  
Korita, P.V., et al. Anticancer Res. 30(6):2279-2285(2010)  
Martins-de-Souza, D., et al. J Psychiatr Res (2010) In press :  
Li, M., et al. J. Exp. Clin. Cancer Res. 29, 109 (2010) :