

**Vimentin Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2739b****Specification**

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**Vimentin Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P08670](#)**Vimentin Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 7431**Other Names**

Vimentin, VIM

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2739b](/products/AP2739b) was selected from the C-term region of human Vimentin. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Vimentin Antibody (C-term) Blocking Peptide - 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.

## **Vimentin Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **Vimentin Antibody (C-term) Blocking Peptide - Images**

## **Vimentin Antibody (C-term) Blocking Peptide - Background**

Along with the microfilaments (actins) and microtubules (tubulins), the intermediate filaments represent a third class of well-characterized cytoskeletal elements. The subunits display a tissue-specific pattern of expression. Desmin is the subunit specific for muscle and vimentin the subunit specific for mesenchymal tissue.

## **Vimentin Antibody (C-term) Blocking Peptide - References**

Whipple,R.A.,Cancer Res. 68 (14), 5678-5688 (2008)Garcia-Verdugo,I.,Biochemistry 47 (18), 5127-5138 (2008)Merdes,A., J. Cell Biol. 115 (2), 397-410 (1991)