

Vimentin Antibody (S82) Blocking Peptide
Synthetic peptide
Catalog # BP2739a**Specification**

Vimentin Antibody (S82) Blocking Peptide - Product InformationPrimary Accession [P08670](#)**Vimentin Antibody (S82) Blocking Peptide - Additional Information****Gene ID** 7431**Other Names**

Vimentin, VIM

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2739a](/products/AP2739a) was selected from the S82 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 (S82) 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 (S82) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Vimentin Antibody (S82) Blocking Peptide - Images

Vimentin Antibody (S82) 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 (MIM 125660) is the subunit specific for muscle and vimentin the subunit specific for mesenchymal tissue.

Vimentin Antibody (S82) 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)