

**VNN2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2422a****Specification**

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**VNN2 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [O95498](#)**VNN2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 8875**Other Names**

Vascular non-inflammatory molecule 2, Vanin-2, Glycosylphosphatidyl inositol-anchored protein GPI-80, Protein FOAP-4, VNN2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2422a](/product/products/AP2422a) was selected from the N-term region of human VNN2. 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.

**VNN2 Antibody (N-term) Blocking Peptide - Protein Information****Name** VNN2 ([HGNC:12706](#))**Function**

Amidohydrolase that hydrolyzes specifically one of the carboamide linkages in D-pantetheine thus recycling pantothenic acid (vitamin B5) and releasing cysteamine (PubMed:[11491533](http://www.uniprot.org/citations/11491533)). Involved in the thymus homing of bone marrow cells. May regulate beta-2 integrin- mediated cell adhesion, migration and motility of neutrophil.

**Cellular Location**

Cell membrane; Lipid-anchor, GPI- anchor

**Tissue Location**

Widely expressed with higher expression in spleen and blood.

## **VNN2 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **VNN2 Antibody (N-term) Blocking Peptide - Images**

## **VNN2 Antibody (N-term) Blocking Peptide - Background**

VNN2 is a member of the Vanin family of proteins which share extensive sequence similarity with each other, and also with biotinidase. The family includes secreted and membrane-associated proteins, a few of which have been reported to participate in hematopoietic cell trafficking. No biotinidase activity has been demonstrated for any of the vanin proteins, however, they possess pantetheinase activity, which may play a role in oxidative-stress response. The encoded protein is a GPI-anchored cell surface molecule that plays a role in transendothelial migration of neutrophils.

## **VNN2 Antibody (N-term) Blocking Peptide - References**

Sasaki, H., et al., Cancer Sci. 94(9):809-813 (2003).Takeda, Y., et al., Exp. Cell Res. 286(2):199-208 (2003).Sendo, D., et al., Immunobiology 207(3):217-221 (2003).Martin, F., et al., Immunogenetics 53(4):296-306 (2001).Suzuki, K., et al., J. Immunol. 162(7):4277-4284 (1999).