

PVR Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6260a**Specification**

PVR Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [P15151](#)
Other Accession [PVR_HUMAN](#)

PVR Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 5817

Other Names

Poliovirus receptor, Nectin-like protein 5, NECL-5, CD155, PVR, PVS

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6260a](/product/products/AP6260a) was selected from the C-term region of human PVR. 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.

PVR Antibody (C-term) Blocking Peptide - Protein Information

Name PVR

Synonyms PVS

Function

Mediates NK cell adhesion and triggers NK cell effector functions. Binds two different NK cell receptors: CD96 and CD226. These interactions accumulate at the cell-cell contact site, leading to the formation of a mature immunological synapse between NK cell and target cell. This may trigger adhesion and secretion of lytic granules and IFN-gamma and activate cytotoxicity of activated NK cells. May also promote NK cell-target cell modular exchange, and PVR transfer to the NK cell. This transfer is more important in some tumor cells expressing a lot of PVR, and may trigger fratricide NK cell activation, providing tumors with a mechanism of immunoevasion. Plays a role in mediating tumor cell invasion and migration.

Cellular Location

[Isoform Alpha]: Cell membrane; Single-pass type I membrane protein [Isoform Beta]: Secreted.

PVR Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PVR Antibody (C-term) Blocking Peptide - Images**PVR Antibody (C-term) Blocking Peptide - Background**

The poliovirus receptor (PVR) is a transmembrane glycoprotein belonging to the immunoglobulin superfamily. PVR is involved in intercellular adhesion and its cytoplasmic domain may target endocytic vesicles to the microtubular network. The extracellular domain of PVR mediates cell attachment to the extracellular matrix molecule vitronectin, while its cytoplasmic domain interacts with the dynein light chain Tctex-1. PVR is a primate-restricted protein expressed during development in mesenchymal tissues and ventrally derived structures within the CNS. Its exact biological function remains to be determined; it is reported that PVR is aberrantly expressed in tumors of neuroectodermal origin.

PVR Antibody (C-term) Blocking Peptide - References

Zibert, A., et al., J. Virol. 66(12):7368-7373 (1992). Koike, S., et al., Proc. Natl. Acad. Sci. U.S.A. 88(10):4104-4108 (1991). Koike, S., et al., EMBO J. 9(10):3217-3224 (1990). Mendelsohn, C.L., et al., Cell 56(5):855-865 (1989).