

**PVRL3 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12866b**

**Specification**

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**PVRL3 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [Q9NQS3](#)

**PVRL3 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 25945

**Other Names**

Nectin-3, CDw113, Poliovirus receptor-related protein 3, CD113, PVRL3, PRR3

**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.

**PVRL3 Antibody (C-term) Blocking peptide - Protein Information**

**Name** NECTIN3 ([HGNC:17664](#))

**Synonyms** PRR3, PVRL3

**Function**

Plays a role in cell-cell adhesion through heterophilic trans-interactions with nectin-like proteins or nectins, such as trans- interaction with NECTIN2 at Sertoli-spermatid junctions. Trans- interaction with PVR induces activation of CDC42 and RAC small G proteins through common signaling molecules such as SRC and RAP1. Also involved in the formation of cell-cell junctions, including adherens junctions and synapses. Induces endocytosis-mediated down-regulation of PVR from the cell surface, resulting in reduction of cell movement and proliferation. Plays a role in the morphology of the ciliary body.

**Cellular Location**

Cell membrane; Single-pass membrane protein. Postsynaptic cell membrane

**Tissue Location**

Predominantly expressed in testis and placenta as well as in many cell lines, including epithelial cell lines

## **PVRL3 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

## **PVRL3 Antibody (C-term) Blocking peptide - Images**

## **PVRL3 Antibody (C-term) Blocking peptide - Background**

Nectins (e.g., PVRL1; MIM 600644) are immunoglobulin-like adhesion molecules that interact with afadin (AF6; MIM 159559). Afadin is an actin filament-binding protein that connects nectin to the actin cytoskeleton. The nectin-afadin system organizes adherens junctions cooperatively with the cadherin (see MIM192090)-catenin (see MIM 116805) system in epithelial cells.

## **PVRL3 Antibody (C-term) Blocking peptide - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) ; Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Yu, X., et al. Nat. Immunol. 10(1):48-57(2009) Fujito, T., et al. J. Cell Biol. 171(1):165-173(2005)