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PVRL3 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP12866b

Specification

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

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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-likeadhesion molecules that interact with afadin (AF6; MIM 159559).Afadin is an actin filament-binding protein that connects nectinsto the actin cytoskeleton. The nectin-afadin system organizesadherens junctions cooperatively with the cadherin (see MIM192090)-catenin (see MIM 116805) system in epithelialcells.

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)