10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Nectin-3/CD113 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10635

Specification

Nectin-3/CD113 Antibody - Product Information

Application	**WB**
Primary Accession	Q9NQS3
Reactivity	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**61002**

Nectin-3/CD113 Antibody - Additional Information

Gene ID 25945

Application & Usage	**Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody recognizes ~ 83 kDa Nectin-3 of mouse and rat origins. Reactivity to other species has not been tested.**

Other Names
Nectin3, Nectin 3, Poliovirus receptor-related protein 3, PVRL3, PVRL-3, PVRL 3, CDw113, CD113, PRR3, PRR-3

Target/Specificity
Nectin

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.5 mg/ml) affinity purified rabbit anti-Nectin-3 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
Nectin-3/CD113 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Nectin-3/CD113 Antibody - 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

Nectin-3/CD113 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Nectin-3/CD113 Antibody - Images

Nectin-3/CD113 Antibody - Background

Nectin is a cell-adhesion molecule that belongs to the immunoglobilin superfamily and is also known as the poliovirus receptor-related protein or PPR. Nectin family consists of Nectin 1 which expressed abundantly in the brain and Nectin 2 and 3 which are ubiquitously expressed in cells where cadherin are not expressed. Nectin-3 or PPR3 is a transmembrane protein that has three splicing variants: Nectin3α, Nectin 3β and Nectin 3g. Nectin-3 is mainly expressed in the testis and placental tissues and interacts in vivo with both long and short isoforms of afadin.