

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

Nectin-3/CD113 Antibody - Product Information

Application	WB
Primary Accession	O9N0S3
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

Cell adhesion molecule that promotes cell-cell adhesion through heterophilic trans-interactions with nectins-like or other nectins, such as trans-interaction with NECTIN2 at Sertoli-spermatid junctions (PubMed:16216929). Trans-interaction with PVR induces activation of CDC42 and RAC small G proteins through common signaling molecules such as SRC and RAP1 (PubMed:16216929). Induces endocytosis- mediated down-regulation of PVR from the cell surface, resulting in reduction of cell movement and proliferation (PubMed:16216929). Involved in axon guidance by promoting contacts between the commissural axons and the floor plate cells (By similarity). Also involved in the formation of cell-cell junctions, including adherens junctions and synapses (By similarity). Promotes formation of checkerboard-like cellular pattern of hair cells and supporting cells in the auditory epithelium via heterophilic interaction with NECTIN1: NECTIN1 is present in the membrane of hair cells and associates with NECTIN3 on supporting cells, thereby mediating heterotypic adhesion between these two cell types (By similarity). Plays a role in the morphology of the ciliary body (By similarity).

Cellular Location

Cell membrane; Single-pass membrane protein. Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q9JLB9}; Single-pass type I membrane protein. Cell junction, adherens junction {ECO:0000250|UniProtKB:Q9JLB9}. Note=In the auditory epithelium, specifically localizes to the apical side of the lateral membranes of supporting cells. {ECO:0000250|UniProtKB:Q9JLB9}

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 Cytometry](#)
- [Cell Culture](#)

Nectin-3/CD113 Antibody - Images

Nectin-3/CD113 Antibody - Background

Nectin is a cell-adhesion molecule that belongs to the immunoglobulin 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: Nectin3 α , Nectin 3 β and Nectin 3 γ . Nectin-3 is mainly expressed in the testis and placental tissues and interacts in vivo with both long and short isoforms of afadin.