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Anti-CD113 Antibody
Rabbit polyclonal antibody to CD113
Catalog # AP61471

Specification

Anti-CD113 Antibody - Product Information

Application	**WB**
Primary Accession	Q9NQS3
Other Accession	Q9JLB9
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**61002**

Anti-CD113 Antibody - Additional Information

Gene ID 25945

Other Names
PRR3; Poliovirus receptor-related protein 3; CDw113; Nectin-3; CD113

Target/Specificity
Recognizes endogenous levels of CD113 protein.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-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, specificaly localizes to the apical side of the lateral membranes of supporting cells. {ECO:0000250|UniProtKB:Q9JLB9}

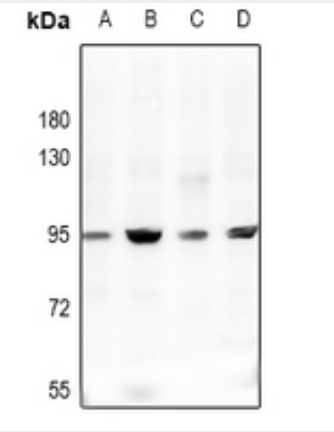
Tissue Location
Predominantly expressed in testis and placenta as well as in many cell lines, including epithelial cell lines

Anti-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

Anti-CD113 Antibody - Images



Western blot analysis of CD113 expression in Hela (A), A549 (B), C6 (C), AML12 (D) whole cell lysates.

Anti-CD113 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human

CD113. The exact sequence is proprietary.