

Anti-CD113 Antibody

Catalog # AP61471

Product Information

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

Additional Information

Gene ID	25945
Other Names	PRR3; Poliovirus receptor-related protein 3; CDw113; Nectin-3; CD113
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD113. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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).

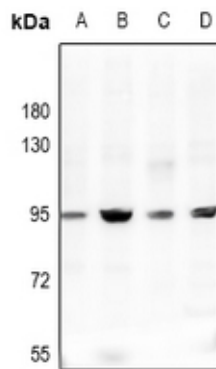
Cellular Location

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

Images



Western blot analysis of CD113 expression in Hela (A), A549 (B), C6 (C), AML12 (D) whole cell lysates. (Predicted band size: 61 kD; Observed band size: 95 kD)

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