

Anti-Nectin-4/PVRL4 Picoband Antibody
Catalog # ABO11709

Specification

Anti-Nectin-4/PVRL4 Picoband Antibody - Product Information

Application	WB
Primary Accession	Q96NY8
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Nectin-4(NECTIN4) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Nectin-4/PVRL4 Picoband Antibody - Additional Information

Gene ID 81607

Other Names

Nectin-4, Ig superfamily receptor LNIR, Nectin cell adhesion molecule 4
{ECO:0000312|HGNC:HGNC:19688}, Poliovirus receptor-related protein 4, Processed poliovirus
receptor-related protein 4, NECTIN4 (<a
href="http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=19688"
target="_blank">HGNC:19688)

Calculated MW

55454 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Cell membrane ; Single-pass type I membrane protein . Cell junction, adherens junction .
Colocalizes with MLLT4 at cadherin-based adherens junctions (PubMed:11544254).

Tissue Specificity

Predominantly expressed in placenta. Not detected in normal breast epithelium but expressed in
breast carcinoma. .

Protein Name

Nectin-4

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human Nectin-4/PVRL4 (53-94aa FYRGDSGEQVGQVAWARVDAGEGAQELALLHSKYGL HVSPAY), different from the related mouse sequence by seven amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-Nectin-4/PVRL4 Picoband Antibody - Protein Information

Name NECTIN4 ([HGNC:19688](#))

Synonyms LNIR, PRR4, PVRL4

Function

Seems to be involved in cell adhesion through trans- homophilic and -heterophilic interactions, the latter including specifically interactions with NECTIN1. Does not act as receptor for alpha-herpesvirus entry into cells.

Cellular Location

Cell membrane; Single-pass type I membrane protein. Cell junction, adherens junction.
Note=Colocalizes with AFDN at cadherin- based adherens junctions (PubMed:11544254)

Tissue Location

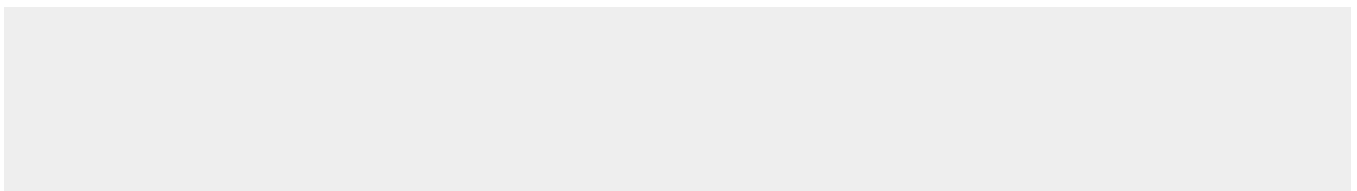
Predominantly expressed in placenta. Not detected in normal breast epithelium but expressed in breast carcinoma

Anti-Nectin-4/PVRL4 Picoband 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](#)

Anti-Nectin-4/PVRL4 Picoband Antibody - Images





Western blot analysis of Nectin-4/PVRL4 expression in MCF-7 whole cell lysates (lane 1) and MM453 whole cell lysates (lane 2). Nectin-4/PVRL4 at 66KD was detected using rabbit anti-Nectin-4/PVRL4 Antigen Affinity purified polyclonal antibody (Catalog # ABO11709) at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-Nectin-4/PVRL4 Picoband Antibody - Background

PVRL4, also known as Nectin-4, is expressed in human skin, hair follicles, and cultured keratinocytes, but not in fibroblasts. This gene encodes a member of the nectin family. The encoded protein contains two immunoglobulin-like (Ig-like) C2-type domains and one Ig-like V-type domain. It is involved in cell adhesion through trans-homophilic and -heterophilic interactions. It is a single-pass type I membrane protein. The soluble form is produced by proteolytic cleavage at the cell surface by the metalloproteinase ADAM17/TACE. The secreted form is found in both breast tumor cell lines and breast tumor patients. Mutations in this gene are the cause of ectodermal dysplasia-syndactyly syndrome type 1, an autosomal recessive disorder. Alternatively spliced transcript variants have been found but the full-length nature of the variant has not been determined.