

Anti-Nectin-4/PVRL4 Picoband Antibody

Catalog # ABO11709

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.

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 (HGNC:19688)
Calculated MW	55454
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. .
Source	Eukaryota
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.
----------------	--

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

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.

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 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.