



Nectin 4 Polyclonal Antibody

Catalog No	YP-Ab-17056
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	PVRL4
Immunogen	The antiserum was produced against synthesized peptide derived from human PVRL4. AA range:312-361
Specificity	Nectin 4 Polyclonal Antibody detects endogenous levels of Nectin 4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Nectin-4;PVRL4;Ig superfamily receptor LNIR;LNIR;nectin 4;Poliovirus receptor-related protein 4;PRR4
Observed Band	55kD
Calculated Molecular Weight	55kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Cell junction, adherens junction . Colocalizes with AFDN at cadherin-based adherens junctions (PubMed:11544254).; [Processed poliovirus receptor-related protein 4]: Secreted . The secreted form is found in breast tumor patients (PubMed:15784625).
Tissue Specificity	Predominantly expressed in placenta. Not detected in normal breast epithelium but expressed in breast carcinoma.
Function	function:Seems to be involved in cell adhesion through trans-homophilic and -heterophilic interactions, the latter including specifically interactions with PVRL2/nectin-1. Does not act as receptor for alpha-herpesvirus entry into cells., PTM:The soluble form is produced by proteolytic cleavage at the cell surface (shedding), probably by ADAM17/TACE.,similarity:Belongs to the nectin family.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains.,subcellular



location: Colocalizes with MLLT4 at cadherin-based adherens junctions.,
subcellular location: The secreted form is found in breast tumor patients.,
subunit: Self-associates. Interacts via its Ig-like V-type domain with PVRL1/
nectin-1 Ig-like V-type domain. Interacts via its C-terminus with MLLT4., tissue
specificity: Predominantly expressed in placenta. Not detecte

Background

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.[provided by RefSeq, Jan 2011],

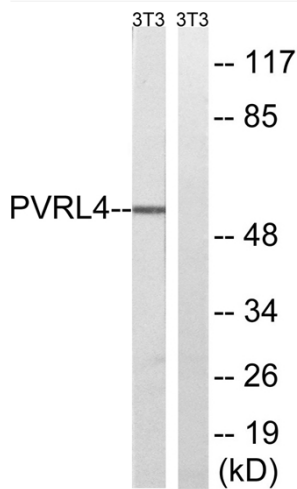
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from NIH/3T3 cells, using PVRL4 Antibody. The lane on the right is blocked with the synthesized peptide.