PVRL4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PVRL4, Polyclonal Antibody
Full Product Name	PVRL4 Conjugated Antibody
Product Gene Name	anti-PVRL4 antibody
Product Synonym Names	LNIR; PRR4; EDSS1; nectin-4
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total PVRL4 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	24,341 Da
OMIM	609607
3D Structure	ModBase 3D Structure for Q96NY8
Immunogen	Fusion protein corresponding to residues near the C terminal of human poliovirus receptor-related 4
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-PVRL4 antibody	Most Applications
Application Notes for anti-PVRL4 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-PVRL4 antibody	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.
Other Notes	Small volumes of anti-PVRL4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for PVRL4 purchase	MBS9447106 is an antibody targeting PVRL4. Also known as PVRL4 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PVRL4. It may not necessarily be applicable to this product.

NCBI GI #	14714573
NCBI GeneID	81607
NCBI Accession #	BC010423
UniProt Primary Accession #	Q96NY8
UniProt Secondary Accession #	Q96NY8
UniProt Related Accession #	Q96NY8
NCBI Official Full Name	Homo sapiens poliovirus receptor-related 4, mRNA
NCBI Official Synonym Full Names	nectin cell adhesion molecule 4
NCBI Official Symbol	NECTIN4
NCBI Official Synonym Symbols	LNIR; PRR4; EDSS1; PVRL4; nectin-4
UniProt Protein Name	Poliovirus receptor-related protein 4
UniProt Synonym Protein Names	Ig superfamily receptor LNIR; Nectin-4
UniProt Gene Name	PVRL4
UniProt Synonym Gene Names	LNIR; PRR4
UniProt Entry Name	PVRL4_HUMAN
NCBI Protein Information	nectin-4
UniProt Comments for PVRL4	nectin 4: 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. Defects in PVRL4 are the cause of ectodermal dysplasia- syndactyly syndrome type 1 (EDSS1). EDSS1 is a form of ectodermal dysplasia, a heterogeneous group of disorders due to abnormal development of two or more ectodermal structures. EDSS1 is characterized by the association of hair and teeth abnormalities with cutaneous syndactyly of the hands and/or feet. Hair morphologic abnormalities include twists at irregular intervals (pilli torti) and swelling along the shafts, particularly associated with areas of breakage. Dental findings consist of abnormally widely spaced teeth, with peg-shaped and conical crowns. Patients have normal sweating. Belongs to the nectin family. Protein type: Membrane protein, integral; Cell adhesion Chromosomal Location of Human Ortholog: 1q23.3 Cellular Component: adherens junction; plasma membrane; integral to membrane Molecular Function: protein binding Biological Process: intercellular junction assembly and maintenance; viral reproduction; cell adhesion Disease: Ectodermal Dysplasia-syndactyly Syndrome 1
Research Articles on PVRL4	**1.** Nectin-4 is critical for gallbladder cancer cell progression via PI3K/AKT pathway activation of Rac1.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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