



## Anti-PVRL1 (aa 33-142) polyclonal antibody (DPAB-DC2632)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes an adhesion protein that plays a role in the organization of adherens junctions and tight junctions in epithelial and endothelial cells. The protein is a calcium(2+)-independent cell-cell adhesion molecule that belongs to the immunoglobulin superfamily and has 3 extracellular immunoglobulin-like loops, a single transmembrane domain (in some isoforms), and a cytoplasmic region. This protein acts as a receptor for glycoprotein D (gD) of herpes simplex viruses 1 and 2 (HSV-1, HSV-2), and pseudorabies virus (PRV) and mediates viral entry into epithelial and neuronal cells. Mutations in this gene cause cleft lip and palate/ectodermal dysplasia 1 syndrome (CLPED1) as well as non-syndromic cleft lip with or without cleft palate (CL/P). Alternative splicing results in multiple transcript variants encoding proteins with distinct C-termini.
<b>Immunogen</b>	PVRL1 (NP_002846, 33 a.a. ~ 142 a.a) partial recombinant protein with GST tag. The sequence is VQVNDSMYGFIGTDVVLHCSFANPLPSVKITQVTWQKSTNGSKQNVAIYNPSMGVSVLAP YRERVEFLRPSFTDGTIRLSRLELEDEGVYICEFATFPTGNRESQLNLTV
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PVRL1 poliovirus receptor-related 1 (herpesvirus entry mediator C) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PVRL1
<b>Synonyms</b>	PVRL1; poliovirus receptor-related 1 (herpesvirus entry mediator C); ED4; PRR; HlgR; HVEC; OFC7; PRR1; PVRR; CD111; PVRR1; SK-12; CLPED1; nectin-1; nectin-1; nectin 1; poliovirus receptor-like 1; herpesvirus Ig-like receptor; herpes virus entry mediator C; poliovirus receptor-related protein 1; ectodermal dysplasia 4 (Margarita Island type);
<b>Entrez Gene ID</b>	<a href="#">5818</a>
<b>Protein Refseq</b>	<a href="#">NP_002846</a>
<b>UniProt ID</b>	<a href="#">Q15223</a>
<b>Chromosome Location</b>	11q23.3
<b>Pathway</b>	Adherens junction; Adherens junctions interactions; Cell adhesion molecules (CAMs); Cell-Cell communication
<b>Function</b>	carbohydrate binding; cell adhesion molecule binding; coreceptor activity; protein binding

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