



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

Antigen Description	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.
Immunogen	PVRL1 (NP_002846, 33 a.a. ~ 142 a.a) partial recombinant protein with GST tag. The sequence is VQVNDSMYGFIGTDVVLHCSFANPLPSVKITQVTWQKSTNGSKQNVAIYNPSMGVSVLAP YRERVEFLRPSFTDGTIRLSRLELEDEGVYICEFATFPTGNRESQLNLTV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

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

GENE INFORMATION

Gene Name	PVRL1 poliovirus receptor-related 1 (herpesvirus entry mediator C) [Homo sapiens (human)]
Official Symbol	PVRL1
Synonyms	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);
Entrez Gene ID	5818
Protein Refseq	NP_002846
UniProt ID	Q15223
Chromosome Location	11q23.3
Pathway	Adherens junction; Adherens junctions interactions; Cell adhesion molecules (CAMs); Cell-Cell communication
Function	carbohydrate binding; cell adhesion molecule binding; coreceptor activity; protein binding