bs-11126R **[Primary Antibody]**

PVRL1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5818 **SWISS:** Q15223

Target: PVRL1

Immunogen: KLH conjugated synthetic peptide derived from human PVRL1/CD111/Nectin1: 31-130/517. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Nectin is a Ca2+-independent homophilic cell adhesion molecule that belongs to the immunoglobulin superfamily. Human Nectin is identical to the poliovirus receptor-related protein (PRR) and is identified to be the alphaherpesvirus entry mediator. Nectin constitutes a family consisting of at least nectin 1, 2 and 3. Nectin 2 and 3 are ubiquitously expressed, whereas nectin 1 is abundantly expressed in the brain. Nectin 1 exists as nectin 1å and 1 ∫ /HIgR, produced by alternative splicing. The cytoplasmic regions of Nectin 1å, but not Nectin 1 ∫ /HIgR, have a C-terminal conserved motif (E/A-X-Y-V). This motif interacts with the PDZ domain of the F-Actin-binding protein, afadin, through which it is linked to the Actin cytoskeleton. Nectin 1, also designated HveC/ PRR1, allows the entry of herpes simplex virus type 1 (HSV-1) and HSV-2 into mammalian cells. The interaction of virus envelope glycoprotein D (gD) with nectin 1 is an essential step in the process leading to membrane fusion; the gD binding site is located at the first Ig-like domain of Nectin 1. Both the transinteraction of nectin and the interaction of nectin with afadin are necessary for their co-localization with E-cadherin and catenins at adherens junctions.

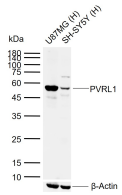
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Cow, Dog)

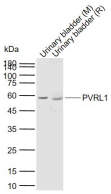
Predicted MW.: 54 kDa

Subcellular Location: Secreted ,Cell membrane

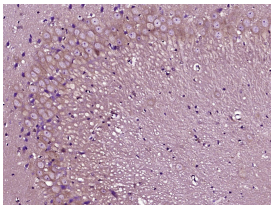
VALIDATION IMAGES



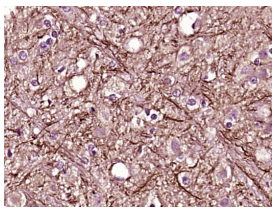
Sample: Lane 1: Human U87MG cell lysates Lane 2: Human SH-SY5Y cell lysates Primary: Anti-PVRL1 (bs-11126R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kDa Observed band size: 54 kDa



Sample: Lane 1: Mouse Urinary bladder tissue lysates Lane 2: Rat Urinary bladder tissue lysates Primary: Anti-PVRL1 (bs-11126R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kDa Observed band size: 57 kDa



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PVRL1) Polyclonal Antibody, Unconjugated (bs-11126R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



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SELECTED CITATIONS

- **[IF=0]** Iskandar RPD et al. The densitometric analysis of protein pattern in cleft lip and palate patients. J Int Soc Prev Community Dent. 2019 May-Jun;9(3):240-244. Other ;Human. 31198695