

For Research Use Only

# Nectin-4/PVRL4 Polyclonal antibody, PBS Only

Catalog Number: 21903-1-PBS

Featured Product



## Basic Information

### Catalog Number:

21903-1-PBS

### Size:

100ug, Concentration: 1 mg/ml by  
Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG14127

### GenBank Accession Number:

BC010423

### GeneID (NCBI):

81607

### UNIPROT ID:

Q96NY8

### Full Name:

poliovirus receptor-related 4

### Calculated MW:

510 aa, 55 kDa

### Observed MW:

55-80 kDa, 43 kDa,

### Purification Method:

Antigen affinity purification

## Applications

### Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

### Species Specificity:

human

## Background Information

Nectin-4, also known as PVRL4, is a type-I transmembrane glycoprotein that belongs to the nectin subfamily of immunoglobulin-like adhesion molecules that participate in Ca<sup>2+</sup>-independent cell-cell adhesion (PMID: 18703497). The extracellular domain of Nectin-4, which contains three immunoglobulin-like domains (V and two C2-type domains, VCC), can be proteolytically cleaved to release a soluble form. Nectin-4 interacts with afadin via its carboxyl-terminal cytoplasmic sequence and trans-interacts with nectin-1/PRR1 through V domain interaction (PMID: 11544254). It acts as a receptor for measles virus (PMID: 22048310). Nectin-4 is overexpressed in multiple human malignancies and the aberrant expression is correlated with cancer progression and poor prognostic (PMID: 35131876). Nectin-4 can be detected as a glycosylated form of 60-80 kDa and a deglycosylated form of 55-70 kDa. The 43 kDa band immunoprecipitated in the supernatant corresponds to the soluble Nectin-4 form. (PMID: 15784625).

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS only, pH7.3

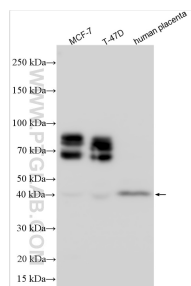
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

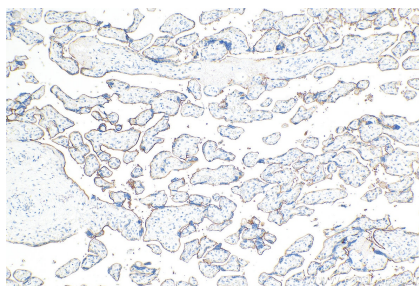
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

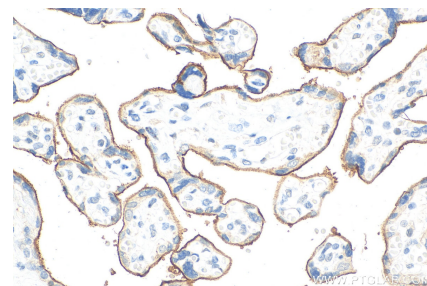
## Selected Validation Data



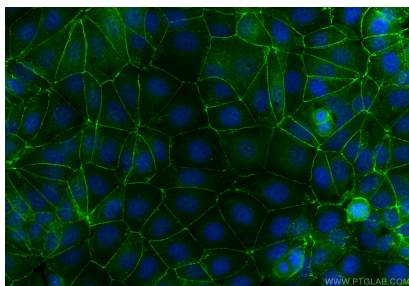
Various lysates were subjected to SDS PAGE followed by western blot with 21903-1-AP (Nectin-4/PVRL4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 21903-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 21903-1-AP (Nectin-4/PVRL4 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21903-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 21903-1-AP (Nectin-4/PVRL4 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21903-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using Nectin-4/PVRL4 antibody (21903-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 21903-1-PBS in a different storage buffer formulation.