

For Research Use Only

# Nectin-4/PVRL4 Polyclonal antibody



Catalog Number: 21903-1-AP

Featured Product

4 Publications

## Basic Information

<b>Catalog Number:</b> 21903-1-AP	<b>GenBank Accession Number:</b> BC010423	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 850 µg/ml by Nanodrop and 407 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 81607	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:1000-1:4000 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96NY8	
<b>Isotype:</b> IgG	<b>Full Name:</b> poliovirus receptor-related 4	
<b>Immunogen Catalog Number:</b> AG14127	<b>Calculated MW:</b> 510 aa, 55 kDa	
	<b>Observed MW:</b> 43 kDa, 66 kDa	

## Applications

<b>Tested Applications:</b> WB, IF, FC, IHC, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, HeLa cells, NIH/3T3 cells, A2780 cells IHC : human placenta tissue, IF : NIH/3T3 cells,
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Nectin-4, or PVRL4, belongs to the family of cell adhesion molecules that regulate the formation of adherence functions in epithelial cells through the AF-6 afadin scaffold molecule. Nectin-4 is reported as a histological and serological marker for breast carcinoma. Nectin-4 can be detected as a soluble form of 43 kDa and a transmembrane form of 66 kDa (PMID: 15784625).

## Notable Publications

Author	Pubmed ID	Journal	Application
Makito Miyake	36448536	Int J Urol	WB,IHC
Jinxiu Zhang	31423176	Oncol Lett	IHC
Hirosha Geekiyanage	27507538	Mol Oncol	WB

## Storage

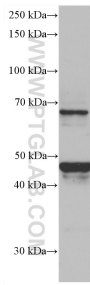
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

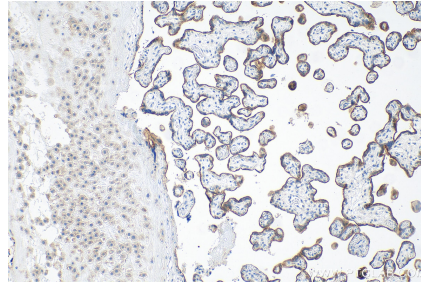
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

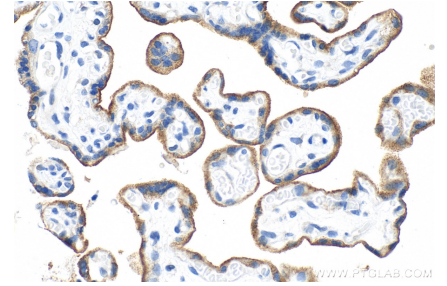
## Selected Validation Data



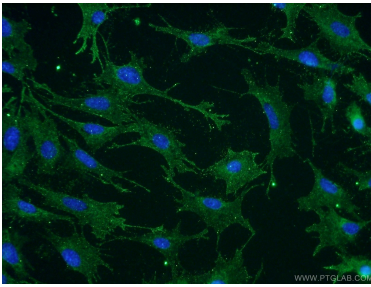
MCF-7 cells were subjected to SDS PAGE followed by western blot with 21903-1-AP (Nectin-4/PVRL4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



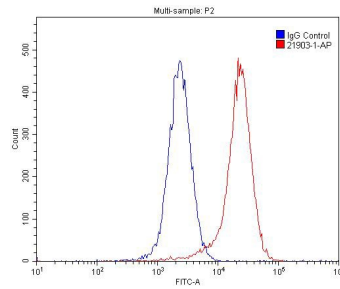
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 21903-1-AP (Nectin-4/PVRL4 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunofluorescent analysis of NIH/3T3 cells using 21903-1-AP (Nectin-4/PVRL4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



$1 \times 10^6$  MCF-7 cells were stained with 0.2 $\mu$ g Nectin-4/PVRL4 antibody (21903-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.