

For Research Use Only

Nectin-4/PVRL4 Polyclonal antibody



Catalog Number: 21903-1-AP

3 Publications

Basic Information

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

Applications

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

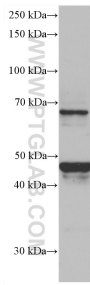
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

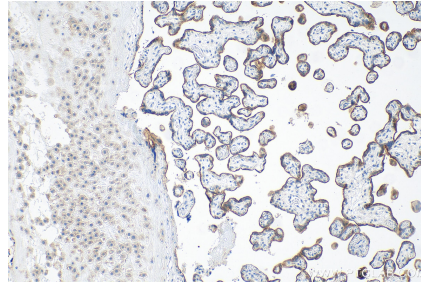
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

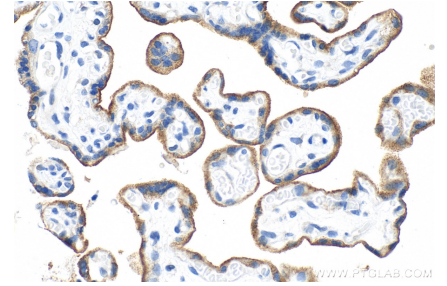
Selected Validation Data



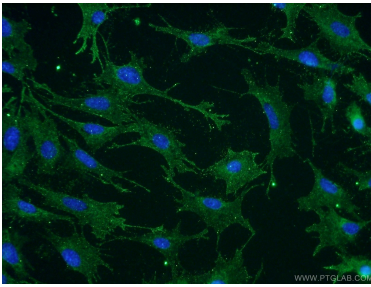
MCF-7 cells were subjected to SDS PAGE followed by western blot with 21903-1-AP (Nectin-4/PVRL4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



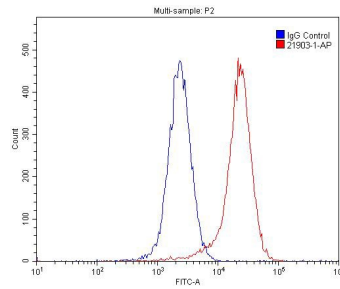
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 21903-1-AP (Nectin-4/PVRL4 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



1×10^6 MCF-7 cells were stained with 0.2 μ 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.