

Nectin-4/PVRL4 Polyclonal antibody

Catalog Number: 21903-1-AP

Featured Product

4 Publications

Basic Information

Catalog Number:

21903-1-AP

Size:

850 ug/ml

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

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:1000-1:4000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB: MCF-7 cells, T-47D cells, human placenta tissue

IHC: human placenta tissue,

IF/ICC: MCF-7 cells,

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, also known as PVRL4, is a type-I transmembrane glycoprotein that belongs to the nectin subfamily of immunoglobulin-like adhesion molecules that participate in Ca²⁺-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 prognosis (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).

Notable Publications

Author	Pubmed ID	Journal	Application
Makito Miyake	36448536	Int J Urol	WB, IHC
Jinxu 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

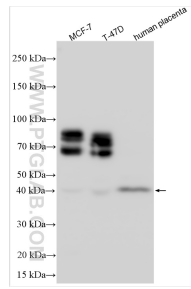
For technical support and original validation data for this product please contact:

T: 4006900926

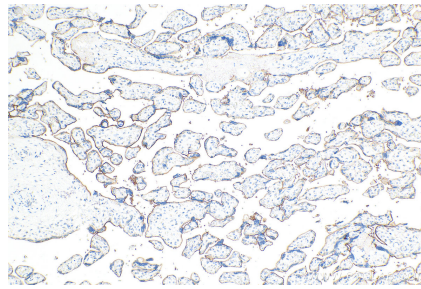
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

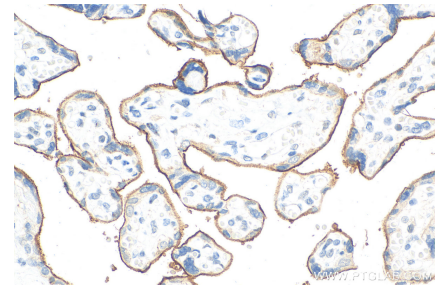
Selected Validation Data



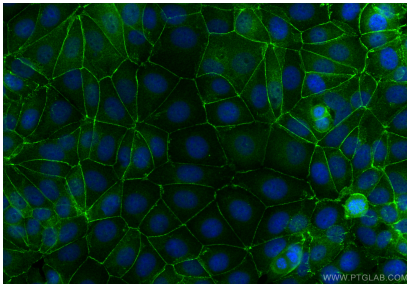
Various lysates were subjected to SDS PAGE followed by western blot with 21903-1-AP (Nectin-4/PVRL4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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 (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).