

For Research Use Only

VNN1 Polyclonal antibody

Catalog Number: 21745-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number: 21745-1-AP	GenBank Accession Number: BC096268	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 333 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8876	Recommended Dilutions: IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200
Source: Rabbit	Full Name: vanin 1	
Isotype: IgG	Calculated MW: 513 aa, 57 kDa	
Immunogen Catalog Number: AG16501	Observed MW: 55-72 kDa	

Applications

Tested Applications: IHC, IP, ELISA	Positive Controls: IP: mouse kidney tissue, IHC: human pancreas cancer tissue,
Cited Applications: CoIP, IHC, WB	
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

VNN1 (Vascular non-inflammatory molecule 1) is also named as Vanin-1, Pantetheinase, Tiff66. It is a GPI-anchored 70-kDa protein with a high degree of homology with GPI-80 (also known as VNN2), a molecule expressed by human phagocytes and involved in leukocyte adhesion and migration. Vanin-1 is predominantly expressed by resident tissue cells and acts at the level of epithelial cells and surrounding hematopoietic cells by paracrine 2-Mercaptoethylamine release (PMID:17163446). The full length VNN1 has a signal peptide, a propeptide and six glycosylation sites. According to some authors, the variations which varied between 55 and 72kDa may be due to different degrees of glycosylation of the protein and cleavage (JOSE A et al. 2001).

Notable Publications

Author	Pubmed ID	Journal	Application
Povero Davide D	24106341	Sci Signal	WB
Hong Xiang	33754072	Theranostics	CoIP
Yanxiang Wu	35234362	Proteomics	WB

Storage

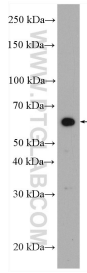
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

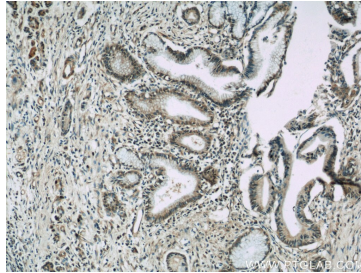
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

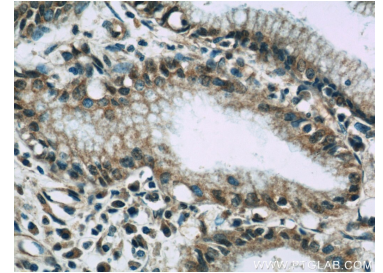
Selected Validation Data



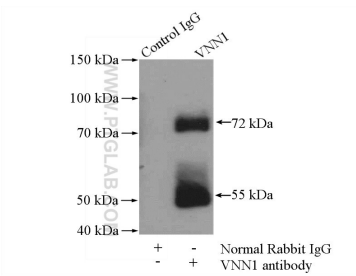
BxPC-3 cells were subjected to SDS PAGE followed by western blot with 21745-1-AP (VNN1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer slide using 21745-1-AP (VNN1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer slide using 21745-1-AP (VNN1 Antibody) at dilution of 1:50 (under 40x lens).



IP Result of anti-VNN1 (IP:21745-1-AP, 4ug;
Detection:21745-1-AP 1:800) with mouse kidney tissue lysate 4000ug.