

For Research Use Only

VNN1 Polyclonal antibody

Catalog Number: 21745-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

21745-1-AP

Size:

333 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16501

GenBank Accession Number:

BC096268

GeneID (NCBI):

8876

UNIPROT ID:

O95497

Full Name:

vanin 1

Calculated MW:

513 aa, 57 kDa

Observed MW:

55-72 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF, ColP

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : rat kidney tissue, BxPC-3 cells, mouse kidney tissue, PC-13 cells

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 72 kDa 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	ColP
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

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

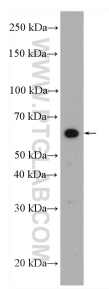
T: 4006900926

E: Proteintech-CN@ptglab.com

W: 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 21745-1-AP (VNN1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

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.