

Anti-VNN1 Picoband Antibody
Catalog # ABO11724**Specification**

Anti-VNN1 Picoband Antibody - Product Information

Application	WB
Primary Accession	O95497
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Pantetheinase(VNN1) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-VNN1 Picoband Antibody - Additional Information

Gene ID 8876

Other Names

Pantetheinase, 3.5.1.92, Pantetheine hydrolase, Tiff66, Vascular non-inflammatory molecule 1, Vanin-1, VNN1

Calculated MW

57012 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Cell membrane ; Lipid-anchor, GPI-anchor .

Tissue Specificity

Widely expressed with higher expression in spleen, kidney and blood. Overexpressed in lesional psoriatic skin. .

Protein Name

Pantetheinase

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen

E. coli-derived human VNN1 recombinant protein (Position: Q22-K192). Human VNN1 shares 82.2% amino acid (aa) sequence identity with mouse VNN1.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-VNN1 Picoband Antibody - Protein Information**Name** VNN1**Function**

Amidohydrolase that hydrolyzes specifically one of the carboamide linkages in D-pantetheine thus recycling pantothenic acid (vitamin B5) and releasing cysteamine.

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor

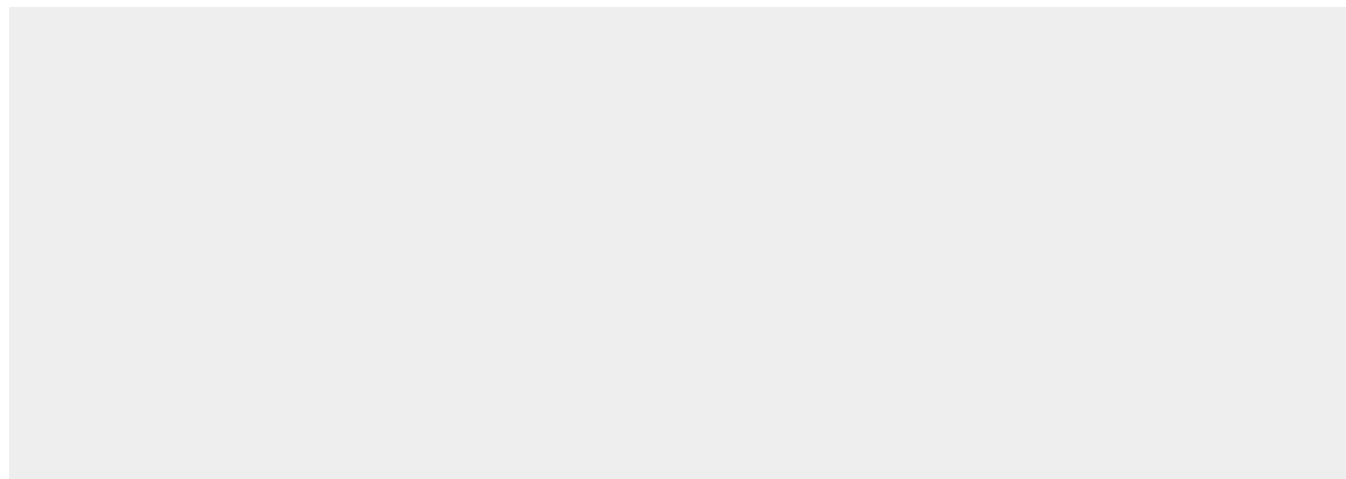
Tissue Location

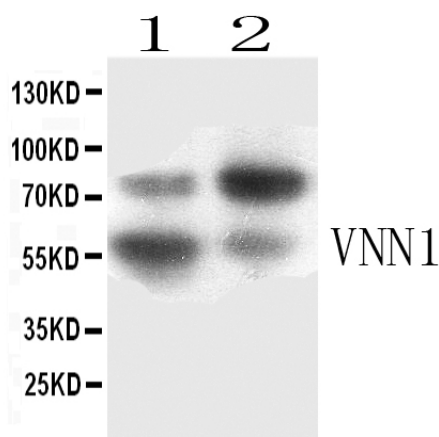
Widely expressed with higher expression in spleen, kidney and blood. Overexpressed in lesional psoriatic skin

Anti-VNN1 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-VNN1 Picoband Antibody - Images



Western blot analysis of VNN1 expression in SKOV3 whole cell lysates (lane 3) and HELA whole cell lysates (lane 4). VNN1 at 57KD was detected using rabbit anti-VNN1 Antigen Affinity purified polyclonal antibody (Catalog # ABO11724) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-VNN1 Picoband Antibody - Background

Pantetheinase is an enzyme that in humans is encoded by the VNN1 gene. This gene encodes a member of the vanin family of proteins, which share extensive sequence similarity with each other, and also with biotinidase. The family includes secreted and membrane-associated proteins, a few of which have been reported to participate in hematopoietic cell trafficking. No biotinidase activity has been demonstrated for any of the vanin proteins, however, they possess pantetheinase activity, which may play a role in oxidative-stress response. This protein, like its mouse homolog, is likely a GPI-anchored cell surface molecule. The mouse protein is expressed by the perivascular thymic stromal cells and regulates migration of T-cell progenitors to the thymus. This gene lies in close proximity to, and in the same transcriptional orientation as, two other vanin genes on chromosome 6q23-q24.