

VNN2 Rabbit pAb

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Catalog # AP54830

Product Information

Application	WB
Primary Accession	O95498
Reactivity	Human
Predicted	Rat, Dog, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58503
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from Human VNN2
Epitope Specificity	101-180/520
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell Membrane; Lipid-anchor, GPI-anchor
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Vanin-2 is a 520 amino acid GPI-anchor protein that belongs to the CN hydrolase family and BTBD/VNN subfamily. Widely expressed with high expression in spleen and blood, vanin-2 is suggested to be involved in thymus homing of bone marrow cells, regulation of Integrin β 2-mediated cell adhesion, and migration and motility of neutrophils. Vanin-2 exists as five alternatively spliced isoforms and is encoded by a gene mapping to human chromosome 6q23.2.

Additional Information

Gene ID	8875
Other Names	Pantetheine hydrolase VNN2, 3.5.1.92, Glycosylphosphatidyl inositol-anchored protein GPI-80, Protein FOAP-4, Vascular non-inflammatory molecule 2, Vanin-2, VNN2 (HGNC:12706)
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

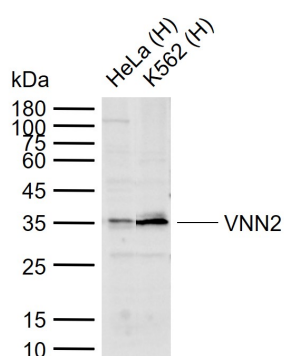
Protein Information

Name	VNN2 (HGNC:12706)
Function	Amidohydrolase that hydrolyzes specifically one of the carboamide linkages in D-pantetheine thus recycling pantothenic acid (vitamin B5) and releasing cysteamine (PubMed: 11491533). Involved in the thymus homing of bone marrow cells. May regulate beta-2 integrin- mediated cell adhesion, migration and motility of neutrophil.
Cellular Location	Cell membrane; Lipid-anchor, GPI- anchor
Tissue Location	Widely expressed with higher expression in spleen and blood.

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Images



Sample:

Lane 1: Human HeLa cell lysates

Lane 2: Human K562 cell lysates

Primary: Anti-VNN2 (AP54830) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 59 kDa

Observed band size: 35 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.