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VNN2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54830

Specification

VNN2 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	O95498
Reactivity	**Rat, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**59 KDa**
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**
SIMILARITY	**Belongs to the CN hydrolase family. BTD/VNN subfamily. Contains 1 CN hydrolase domain.**
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 BTD/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 ∫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.

VNN2 Polyclonal Antibody - Additional Information

Gene ID 8875

Other Names
Vascular non-inflammatory molecule 2, Vanin-2, 3.5.1.92, Glycosylphosphatidyl inositol-anchored protein GPI-80, Protein FOAP-4, VNN2

Target/Specificity
Widely expressed with higher expression in spleen and blood.

Dilution
WB~~1:1000<br \><span class

="dilution_IHC-P">IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>ICC~~N/A<br
\>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ 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 ℃.

VNN2 Polyclonal Antibody - 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.

VNN2 Polyclonal 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 Cytomety
- Cell Culture

VNN2 Polyclonal Antibody - Images