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VNN1 Rabbit pAb

Catalog # AP97594

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O95497
Other Accession	O95497
Reactivity	Rat, Human, Mouse
Predicted	Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57012
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human VNN1
Epitope Specificity	151-250/513
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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	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. [provided by RefSeq, Feb 2009]

Additional Information

Gene ID	8876
Other Names	HDLCQ8; Tiff66; VNN1_HUMAN; VNN1; Pantetheine hydrolase; Vascular non-inflammatory molecule 1 (Vanin-1); 3.5.1.92; vanin 1; pantetheinase
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=2 g/Test
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	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

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