VNN1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	VNN1, Polyclonal Antibody
Full Product Name	VNN1 Conjugated Antibody
Product Gene Name	anti-VNN1 antibody
Product Synonym Names	HDLCQ8; Tiff66
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total VNN1 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	57,012 Da
OMIM	603570
3D Structure	ModBase 3D Structure for O95497
Immunogen	Synthetic peptide of human VNN1
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-VNN1 antibody	Most Applications
Application Notes for anti-VNN1 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-VNN1 antibody	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.
Other Notes	Small volumes of anti-VNN1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for VNN1 purchase	MBS9455308 is an antibody targeting VNN1. Also known as VNN1 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VNN1. It may not necessarily be applicable to this product.

NCBI GI #	223633991
NCBI GeneID	8876
NCBI Accession #	NP_004657
UniProt Primary Accession #	O95497
UniProt Secondary Accession #	Q4JFW6; Q4VAS7; Q4VAS8; Q4VAS9; Q9UF16; Q9UJF4; A8K310
UniProt Related Accession #	O95497
GenBank Nucleotide #	NM_004666
NCBI Official Full Name	pantetheinase
NCBI Official Synonym Full Names	vanin 1
NCBI Official Symbol	VNN1
NCBI Official Synonym Symbols	HDLCQ8; Tiff66
UniProt Protein Name	Pantetheinase
UniProt Synonym Protein Names	Pantetheine hydrolase; Tiff66; Vascular non-inflammatory molecule 1; Vanin-1
Protein Family	Pantetheinase
UniProt Gene Name	VNN1
UniProt Synonym Gene Names	Vanin-1
UniProt Entry Name	VNN1_HUMAN
NCBI Protein Information	pantetheinase; pantetheine hydrolase; vanin-1; vannin 1; vascular non-inflammatory molecule 1
UniProt Comments for VNN1	VNN1: Amidohydrolase that hydrolyzes specifically one of the carboamide linkages in D-pantetheine thus recycling pantothenic acid (vitamin B5) and releasing cysteamine. Belongs to the CN hydrolase family. BTD/VNN subfamily. Protein type: Motility/polarity/chemotaxis; EC 3.5.1.92; Hydrolase; Membrane protein, integral; Cofactor and Vitamin Metabolism - pantothenate and CoA biosynthesis; Cell adhesion; Membrane protein, GPI anchor Chromosomal Location of Human Ortholog: 6q23-q24 Cellular Component: integral to membrane; plasma membrane Molecular Function: pantetheine hydrolase activity Biological Process: positive regulation of T cell differentiation in the thymus; chronic inflammatory response; cell-cell adhesion; pantothenate metabolic process; innate immune response; response to oxidative stress; cell motility; inflammatory response; acute inflammatory response
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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