

Rabbit anti-Mouse VNN1 Polyclonal Antibody | anti-VNN1 antibody

Anti-VNN1 Antibody, Rabbit Polyclonal

CATALOG # AAA257247	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry, ELISA
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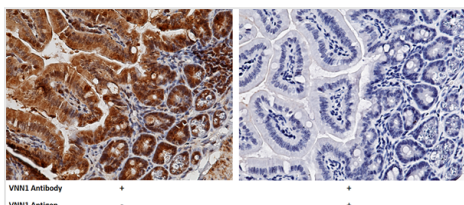
PRODUCT SYNONYMS

VNN1; Polyclonal Antibody; Anti-VNN1 Antibody; Rabbit Polyclonal; VNN1/Vanin-1 Antibody; Rabbit PAb; Antigen Affinity Purified; vanin 1; Anti-V-1 Antibody; anti-VNN1 antibody

PRODUCT SPECIFICATIONS

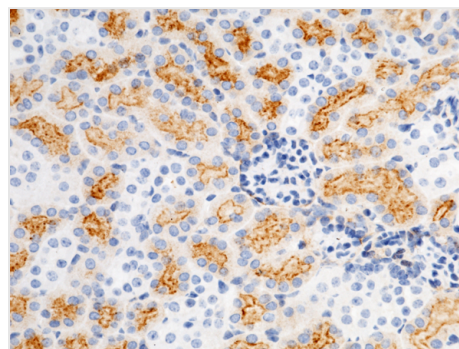
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse VNN1/Vanin-1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-VNN1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Mouse VNN1/Vanin-1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse VNN1/Vanin-1 (rM VNN1/Vanin-1). VNN1/Vanin-1 specific IgG was purified by Mouse VNN1/Vanin-1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse VNN1 in mouse intestine with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections). The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).



IHC (Immunohistochemistry)

Immunochemical staining of mouse VNN1 in mouse kidney with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-VNN1 antibody	Pantetheinase, also known as Pantetheine hydrolase, Vascular non-inflammatory molecule 1, Vanin-1, and VNN1, is a cell membrane protein which belongs to the CN hydrolase family and BTD/VNN subfamily. Vanin-1 contains one CN hydrolase domain. It is widely expressed with higher expression in spleen, kidney and blood. It is overexpressed in lesional psoriatic skin. Vanin-1 is also 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. Vanin-1 is an epithelial pantetheinase that provides cysteamine to tissue and regulates response to stress. Vanin-1 is expressed by enterocytes, and its absence limits intestinal epithelial cell production of proinflammatory signals. Vanin-1 regulates late adhesion steps of thymus homing under physiological, noninflammatory conditions. The early impact of vanin-1 deficiency on tumor induction was directly correlated to the amount of inflammation and subsequent epithelial proliferation rather than cell death rate. Vanin-1 molecule was shown to be involved in the control of thymus reconstitution following sublethal irradiation.
References	Aurrand-Lions M, et al. (1996) Vanin-1, a Novel GPI-Linked Perivascular Molecule Involved in Thymus Homing. <i>Immunity</i> . 5 (5): 391-405. Grimmond S, et al. (2000) Sexually dimorphic expression of protease nexin-1 and vanin-1 in the developing mouse gonad prior to overt differentiation suggests a role in mammalian sexual development. <i>Hum Mol Genet</i> . 9 (10): 1553-60. Meghari S, et al. (2007) Vanin-1 controls granuloma formation and macrophage polarization in <i>Coxiella burnetii</i> infection. <i>Eur J Immunol</i> . 37 (1): 24-32.

NCBI AND UNIPROT INFORMATION

NCBI GI #	251823855
NCBI GeneID	22361
NCBI Accession #	NP_035834.2
NCBI GenBank Nucleotide #	NM_011704.3
UniProt Accession #	Q9Z0K8; Q3TJI0; Q8VCT1; Q9DCH8
Molecular Weight	57,091 Da
NCBI Official Full Name	pantetheinase
NCBI Official Synonym Full Names	vanin 1
NCBI Official Symbol	Vnn1
NCBI Official Synonym Symbols	V-1
NCBI Protein Information	pantetheinase
UniProt Protein Name	Pantetheinase
UniProt Gene Name	Vnn1
UniProt Synonym Gene Names	Vanin-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/vnn1-antibody-immunohistochemistry-elisa/257247>