

AP55466PU-N**Polyclonal Antibody to VNN3 (C-term) - Aff - Purified**

Alternate names:	HSA238982, Vanin 3, Vascular non-inflammatory molecule 3
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	The vanin family is a novel group of ectoenzymes that function in tissue repair and plays a role in oxidative-stress response. As both secreted and membrane proteins, the vanin family members have been implicated as therapeutic targets in inflammatory disease. VNN3 (vascular non-inflammatory molecule 3), also known as Vanin3, is a 501 amino acid GPI-anchored amidohydrolase that is widely expressed and is found at highest levels in blood and liver. Induced by Th17 / Th1 type cytokines, VNN3 converts pantetheine into pantothenic acid. Containing one CN hydrolase domain, VNN3 is encoded by a gene that maps to human chromosome 6q23.2.
Uniprot ID:	B2DFY0
NCBI:	Q9NY84
GeneID:	55350
Host / Isotype:	Rabbit / IgG
Immunogen:	19 amino acid synthetic peptide near the carboxy terminus of Human VNN3 (AP55466CP-N)
Format:	State: Liquid purified Ig fraction Purification: Affinity chromatography purified via peptide column Buffer System: PBS containing 0.02% Sodium Azide as preservative
Applications:	Western blot: 0.5-1 µg/ml. <i>Positive Control:</i> Human brain tissue lysate. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	55 kDa
Specificity:	Multiple isoforms of VNN3 are known to exist.
Species Reactivity:	Tested: Human, Mouse, Rat.
Add. Information:	Blocking peptide available: AP55466CP-N
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Granjeaud S, Naquet P, Galland F. An ESTs description of the new Vanin gene family conserved from fly to human. Immunogenetics. 1999 Oct;49(11-12):964-72. PubMed PMID: 10501839. 2. Jansen PA, Kamsteeg M, Rodijk-Olthuis D, van Vlijmen-Willems IM, de Jongh GJ, Bergers M, et al. Expression of the vanin gene family in normal and inflamed human skin: induction by proinflammatory cytokines. J Invest Dermatol. 2009 Sep;129(9):2167-74. doi: 10.1038/jid.2009.67. Epub 2009 Mar 26. PubMed PMID:

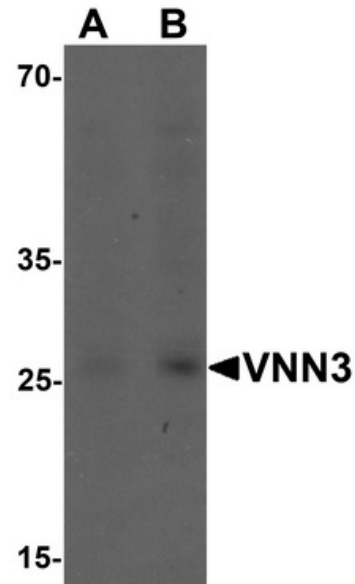
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3. Nitto T, Inoue T, Node K. Alternative spliced variants in the pantetheinase family of genes expressed in human neutrophils. *Gene*. 2008 Dec 15;426(1-2):57-64. doi: 10.1016/j.gene.2008.08.019. Epub 2008 Sep 5. PubMed PMID: 18805469.

4. Martin F, Malergue F, Pitari G, Philippe JM, Philips S, Chabret C, et al. Vanin genes are clustered (human 6q22-24 and mouse 10A2B1) and encode isoforms of pantetheinase ectoenzymes. *Immunogenetics*. 2001 May-Jun;53(4):296-306. PubMed PMID: 11491533.

Pictures:

Western blot analysis of VNN3 in human brain tissue lysate with VNN3 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of VNN3 in human liver tissue with VNN3 antibody at 5 ug/mL.

