

## Polyclonal Antibody to VNN3 (C-term) - Aff - Purified

<b>Alternate names:</b>	HSA238982, Vanin 3, Vascular non-inflammatory molecule 3
<b>Catalog No.:</b>	TA326633
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">B2DFY0</a>
<b>NCBI:</b>	<a href="#">Q9NY84</a>
<b>GeneID:</b>	<a href="#">55350</a>
<b>Host / Isotype:</b>	Rabbit / IgG
<b>Immunogen:</b>	19 amino acid synthetic peptide near the carboxy terminus of Human VNN3 (AP55466CP-N)
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Affinity chromatography purified via peptide column <b>Buffer System:</b> PBS containing 0.02% Sodium Azide as preservative
<b>Applications:</b>	<b>Western blot:</b> 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.
<b>Molecular Weight:</b>	55 kDa
<b>Specificity:</b>	Multiple isoforms of VNN3 are known to exist.
<b>Species Reactivity:</b>	<b>Tested:</b> Human, Mouse, Rat.
<b>Add. Information:</b>	<b>Blocking peptide available:</b> AP55466CP-N
<b>Storage:</b>	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.
<b>General Readings:</b>	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

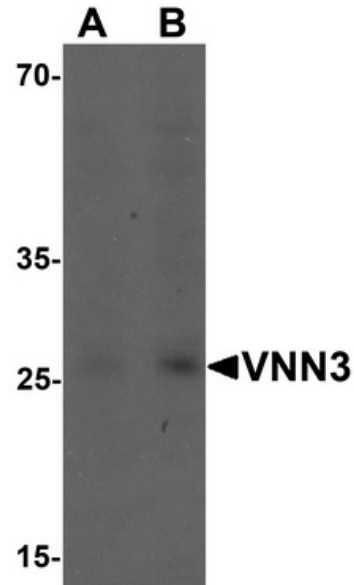
M, et al. Expression of the vanin gene family in normal and inflamed human skin: induction by proinflammatory cytokines. *J Invest Dermatol.* 2009 Sep;129(9):2167-74. doi: 10.1038/jid.2009.67. Epub 2009 Mar 26. PubMed PMID: 19322213.

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.

