

VNN3 Antibody
Catalog # ASC11557**Specification**

VNN3 Antibody - Product Information

Application	WB, IHC
Primary Accession	Q9NY84
Other Accession	Q9NY84 , 88952267
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	55 kDa KDa
Application Notes	VNN3 antibody can be used for detection of VNN3 by Western blot at 0.5 and 1 µg/mL.

VNN3 Antibody - Additional Information

Gene ID 55350

Target/Specificity

VNN3; Multiple isoforms of VNN3 are known to exist.

Reconstitution & Storage

VNN3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

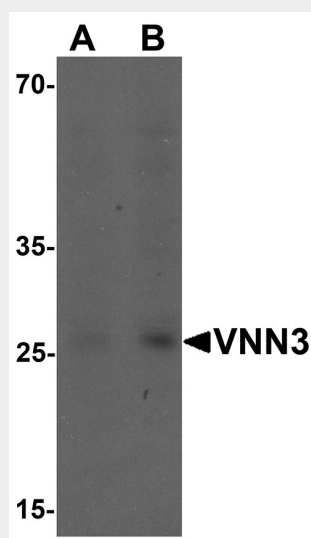
VNN3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

VNN3 Antibody - Protein Information**VNN3 Antibody - Protocols**

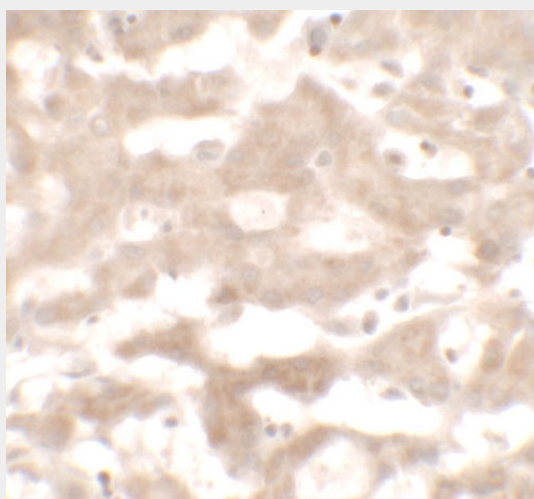
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VNN3 Antibody - Images



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



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

VNN3 Antibody - Background

VNN3 Antibody: 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.

VNN3 Antibody - References

Granjeaud S, Naquet P and Galland F. An ESTs description of the new Vanin gene family conserved from fly to human. *Immunogenetics* 1999; 49:964-72.
Jansen PA, Kamsteeg M, Rodijk-Olthuis D, et al. Expression of the vanin gene family in normal and inflamed human skin: induction by proinflammatory cytokines. *J. Invest. Dermatol.* 2009;129:2167-74.

Nitto T, Inoue T and Node K. Alternative spliced variants in the pantetheinase family of genes expressed in human neutrophils. *Gene* 2008; 426:57-64.

Martin F, Malergue F, Pitari G, et al. Vanin genes are clustered (human 6q22-24 and mouse 10A2B1) and encode isoforms of pantetheinase ectoenzymes. *Immunogenetics* 2001; 53:296-306.