

# VNN3 Antibody

Catalog # ASC11557

## Product Information

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| <b>Application</b>           | WB, E, IHC-P                                                                        |
| <b>Primary Accession</b>     | <a href="#">Q9NY84</a>                                                              |
| <b>Other Accession</b>       | <a href="#">Q9NY84</a> , <a href="#">88952267</a>                                   |
| <b>Reactivity</b>            | Human, Mouse, Rat                                                                   |
| <b>Host</b>                  | Rabbit                                                                              |
| <b>Clonality</b>             | Polyclonal                                                                          |
| <b>Isotype</b>               | IgG                                                                                 |
| <b>Calculated MW</b>         | 55 KDa                                                                              |
| <b>Concentration (mg/ml)</b> | 1 mg/mL                                                                             |
| <b>Conjugate</b>             | Unconjugated                                                                        |
| <b>Application Notes</b>     | VNN3 antibody can be used for detection of VNN3 by Western blot at 0.5 and 1 µg/mL. |

## Additional Information

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| <b>Gene ID</b>                      | 55350                                                                                                                                                                                                                                        |
| <b>Other Names</b>                  | Vascular non-inflammatory molecule 3, Vanin-3, 3.5.1.92, VNN3                                                                                                                                                                                |
| <b>Target/Specificity</b>           | VNN3; Multiple isoforms of VNN3 are known to exist.                                                                                                                                                                                          |
| <b>Reconstitution &amp; Storage</b> | 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. |
| <b>Precautions</b>                  | VNN3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.                                                                                                                                              |

## Protein Information

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### Background

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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.

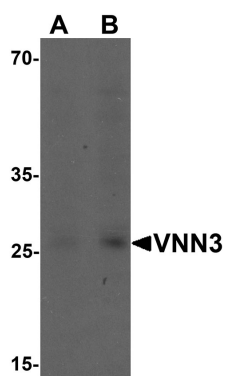
## References

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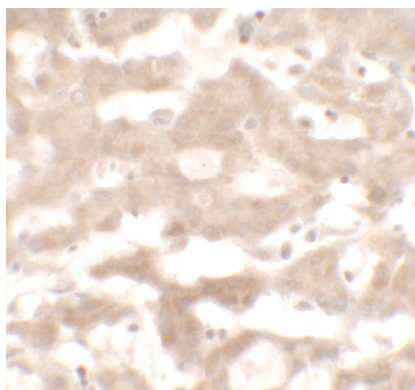
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- Jansen PA, Kamsteeg M, Rodijk-Olthuis D, et al. Expression of the vanin gene family in normal and inflamed human skin: induction by proinflammatory cytokines. *J. Invest. Dermatol.* 2009;129:2167-74.
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- 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.

## Images

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Western blot analysis of VNN3 in human brain tissue lysate with VNN3 antibody at (A) 0.5 and (B) 1  $\mu\text{g/mL}$ .



Immunohistochemistry of VNN3 in human liver tissue with VNN3 antibody at 5  $\mu\text{g/mL}$ .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.