



# VNN2 Polyclonal Antibody

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-05156                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                     |
| Applications       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Name          | VNN2                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Protein Name       | Vascular non-inflammatory molecule 2 (Vanin-2) (EC 3.5.1.92)<br>(Glycosylphosphatidyl inositol-anchored protein GPI-80) (Protein FOAP-4)                                                                                                                                                                                                                                                                             |
| Immunogen          | Synthesized peptide derived from human protein . at AA range: 320-400                                                                                                                                                                                                                                                                                                                                                |
| Specificity        | VNN2 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                       |
| Formulation        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                       |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                               |
| Purification       | The antibody was affinity-purified from rabbit antiserum by<br>affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                             |
| Dilution           | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                     |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                              |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                         |
| Synonyms           |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Observed Band      | 57kD                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cell Pathway       | Cell membrane ; Lipid-anchor, GPI-anchor .                                                                                                                                                                                                                                                                                                                                                                           |
| Tissue Specificity | Widely expressed with higher expression in spleen and blood.                                                                                                                                                                                                                                                                                                                                                         |
| Function           | function:Probable hydrolase. Involved in the thymus homing of bone marrow cells.<br>May regulate beta-2 integrin-mediated cell adhesion, migration and motility of<br>neutrophil.,similarity:Belongs to the CN hydrolase family. BTB/VNN<br>subfamily.,similarity:Contains 1 CN hydrolase domain.,tissue<br>specificity:Expressed in spleen, thymus, peripheral blood lymphocytes and<br>kidney.,                    |
| Background         | This gene product is a member of the Vanin family of proteins that share<br>extensive sequence similarity with each other, and also with biotinidase. The<br>family includes secreted and membrane-associated proteins, a few of which have<br>been reported to participate in hematopoietic cell trafficking. No biotinidase activity<br>has been demonstrated for any of the vanin proteins, however, they possess |

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pantetheinase activity, which may play a role in oxidative-stress response. The encoded protein is a GPI-anchored cell surface molecule that plays a role in transendothelial migration of neutrophils. This gene lies in close proximity to, and in same transcriptional orientation as two other vanin genes on chromosome 6q23-q24. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, May 2011],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

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