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Rabbit Anti-VNN2 antibody

SL12340R

Product Name:	VNN2
Chinese Name:	血管非炎性蛋白2抗体
Alias:	FOAP 4; FOAP-4; Glycosylphosphatidyl inositol-anchored protein GPI-80; GPI 80; GPI-80; OTTHUMP00000017228; OTTHUMP00000233789; OTTHUMP00000233791; pantetheinase; Protein FOAP-4; vanin 2; Vanin-2; Vannin 2; Vascular non-inflammatory molecule 2; VNN2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	59kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Human VNN2:101-180/520
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Vanin-2 is a 520 amino acid GPI-anchor protein that belongs to the CN hydrolase family and BTD/VNN subfamily.Widely expressed with high expression in spleen and blood, vanin-2 is suggested to be involved in thymus homing of bone marrow cells, regulation of Integrin ∫2-mediated cell adhesion, and migration and motility of

neutrophils. Vanin-2 exists as five alternatively spliced isoforms and is encoded by a gene mapping to human chromosome 6q23.2.

Function:
This gene product is a member of the Vanin family of proteins which share extensive sequence similarity with each other, and also with biotinidase. The family includes secreted and membrane-associated proteins, a few of which have been reported to participate in hematopoietic cell trafficking. No biotinidase activity has been demonstrated for any of the vanin proteins, however, they possess 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. Two transcript variants encoding different isoforms have been described for this gene.

Subcellular Location:
Cell Membrane; Lipid-anchor, GPI-anchor

Tissue Specificity:
Widely expressed with higher expression in spleen and blood.

Similarity:
Belongs to the CN hydrolase family. BTD/VNN subfamily.
Contains 1 CN hydrolase domain.

SWISS:
O95498

Gene ID:
8875

Database links:

Entrez Gene: 8875Human

Omim: 603571Human

SwissProt: O95498Human

Unigene: 293130Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.