# Vitronectin (VTN) Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | vitronectin (VTN), Polyclonal Antibody |
| **Full Product Name** | Rabbit anti-human vitronectin polyclonal Antibody |
| **Product Gene Name** | anti-VTN antibody |
| **Product Synonym Names** | vitronectin; VTN; V75; VN; VNT |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse, Rat |
| **Purity/Purification** | Antigen Affinity Purified |
| **Molecular Weight** | 54,306 Da |
| **OMIM** | 193190 |
| **Immunogen** | Human VTN |
| **Storage Buffer** | PBS with 0.1% Sodium Azide, 50% Glycerol, pH 7.3. -20 degree C, Avoid freeze / thaw cycles. |
| **Santa Cruz Alternative** | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-7777 / sc-7776 / sc-30977 / sc-30979 / sc-15332 / sc-28929 |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-VTN antibody** | ELISA (EIA), Western Blot (WB) |
| **Related Product Information for anti-VTN antibody** | MBS719322 is an antibody targeting VTN. Also known as Rabbit anti-human vitronectin polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-VTN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VTN. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 88853069 |
| **NCBI GeneID** | 7448 |
| **NCBI Accession #** | NP_000629.3 |
| **UniProt Secondary Accession #** | P01141; Q9BSH7; B2R7G0 |
| **UniProt Related Accession #** | P04004 |
| **GenBank Nucleotide #** | NM_000638.3 |
| **NCBI Official Full Name** | vitronectin |
| **NCBI Official Synonym Full Names** | vitronectin |

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| **NCBI Official Symbol** | VTN |
| **NCBI Official Synonym Symbols** | VN; V75; VNT |
| **UniProt Protein Name** | Vitronectin |
| **UniProt Synonym Protein Names** | S-protein; Serum-spreading factor; V75Cleaved into the following 3 chains:Vitronectin V65 subunit; Vitronectin V10 subunit; Somatomedin-B |
| **Protein Family** | Vitronectin |
| **UniProt Gene Name** | VTN |
| **UniProt Synonym Gene Names** | VN |
| **UniProt Entry Name** | VTNC_HUMAN |
| **NCBI Protein Information** | vitronectin; epibolin; S-protein; somatomedin B; complement S-protein; serum spreading factor; serum-spreading factor |
| **NCBI Summary for VTN** | The protein encoded by this gene is a member of the pexin family. It is found in serum and tissues and promotes cell adhesion and spreading, inhibits the membrane-damaging effect of the terminal cytolytic complement pathway, and binds to several serpin serine protease inhibitors. It is a secreted protein and exists in either a single chain form or a clipped, two chain form held together by a disulfide bond. [provided by RefSeq, Jul 2008] |
| **UniProt Comments for VTN** | VTN: Vitronectin is a cell adhesion and spreading factor found in serum and tissues. Vitronectin interact with glycosaminoglycans and proteoglycans. Is recognized by certain members of the integrin family and serves as a cell-to-substrate adhesion molecule. Inhibitor of the membrane-damaging effect of the terminal cytolytic complement pathway.<br><br>Protein type: Cell adhesion; Secreted, signal peptide; Secreted; Motility/polarity/chemotaxis<br><br>Chromosomal Location of Human Ortholog: 17q11<br><br>Cellular Component: extracellular matrix; extracellular space; proteinaceous extracellular matrix; extracellular region<br><br>Molecular Function: heparin binding; integrin binding; protein binding; extracellular matrix binding; scavenger receptor activity; polysaccharide binding<br><br>Biological Process: receptor-mediated endocytosis; positive regulation of peptidyl-tyrosine phosphorylation; extracellular matrix organization and biogenesis; positive regulation of protein binding; cell-matrix adhesion; regulation of complement activation; cell adhesion mediated by integrin; negative regulation of blood coagulation; innate immune response; immune response; cell adhesion; positive regulation of smooth muscle cell migration; positive regulation of receptor-mediated endocytosis; positive regulation of vascular endothelial growth factor receptor signaling pathway |
| **Research Articles on VTN** | **1.** Report role of vitronectin in the regulation of angiogenesis induced by VEGF. |
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