

Rabbit anti-Human, Mouse VTN Polyclonal Antibody | anti-VTN antibody

VTN Antibody

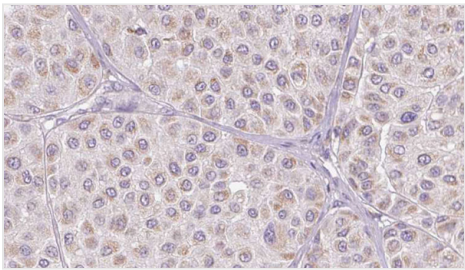
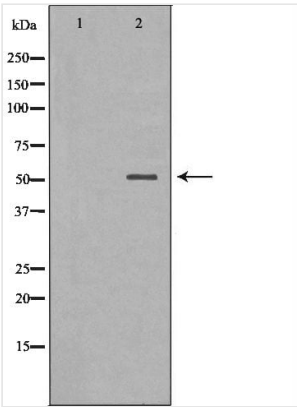
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326308	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

VTN; Polyclonal Antibody; VTN Antibody; Complement S Protein; Epibolin; S Protein; S-protein; Serum Spreading Factor; Serum-spreading factor; Somatomedin B; Somatomedin-B; V75; Vitronectin V10 subunit; Vitronectin V65 subunit; VN; VNT; VTNC_HUMAN; anti-VTN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	VTN antibody detects endogenous levels of total VTN
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	478
Applicable Applications for anti-VTN antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human VTN
Subcellular Location	Secreted, Extracellular Space.
Tissue Specificity	Plasma.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA326308 at 1/100 staining Human melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of human serum tissue, using VTN antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-VTN antibody

Description: 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]

Function: 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.

Subunit Structure: Exists in two forms: a single chain 75 kDa form (V75) and a clipped form composed of two chains (65 kDa and 10 kDa) (V65+V10) which are held together by a disulfide bond. Interacts with SERPINE1/PAI1, insulin and C1QBP.

Post-translational Modifications: Sulfated on 2 tyrosine residues. N- and O-glycosylated. Phosphorylation on Thr-69 and Thr-76 favors cell adhesion and spreading. It has been suggested that the active SMB domain may be permitted considerable disulfide bond heterogeneity or variability, thus two alternate disulfide patterns based on 3D structures are described with 1 disulfide bond conserved in both. Phosphorylation sites are present in the extracellular medium.

Similarity: The SMB domain mediates interaction with SERPINE1/PAI1. The heparin-binding domain mediates interaction with insulin.

NCBI AND UNIPROT INFORMATION

NCBI GI #	88853069
NCBI GeneID	7448
NCBI Accession #	NP_000629.3
NCBI GenBank Nucleotide #	NM_000638.3
UniProt Accession #	P04004; P01141; Q9BSH7; B2R7G0
Molecular Weight	Observed: 54 kDa Predicted: 55 kDa
NCBI Official Full Name	vitronectin
NCBI Official Synonym Full Names	vitronectin
NCBI Official Symbol	VTN
NCBI Official Synonym Symbols	VN; V75; VNT
NCBI Protein Information	vitronectin

UniProt Protein Name	Vitronectin
UniProt Gene Name	VTN
UniProt Synonym Gene Names	VN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/vtn-antibody-immunohistochemistry-western-blot-elisa/326308>