10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

VTN Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7462a

Specification

VTN Antibody (N-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P04004
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**65-93**

VTN Antibody (N-term) - Additional Information

Gene ID 7448

Other Names
Vitronectin, VN, S-protein, Serum-spreading factor, V75, Vitronectin V65 subunit, Vitronectin V10 subunit, Somatomedin-B, VTN

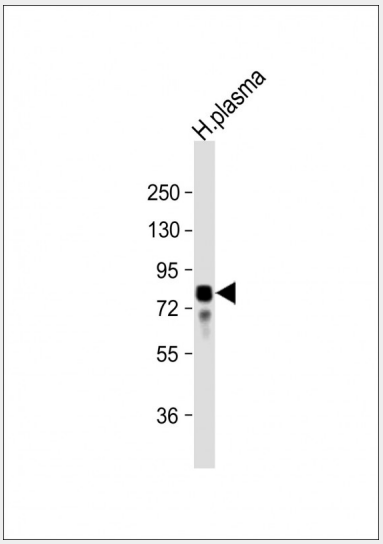
Target/Specificity
This VTN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 65-93 amino acids from the N-terminal region of human VTN.

Dilution
WB~~1:2000
IHC-P~~1:10~50
FC~~1:25

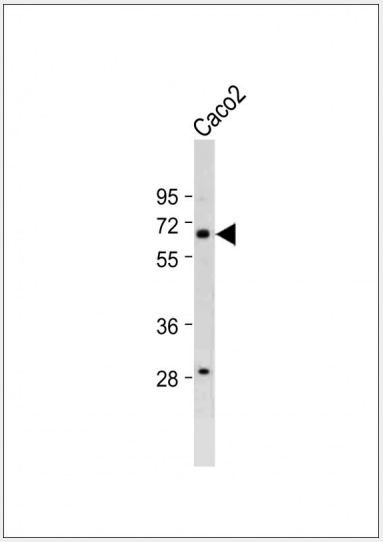
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
VTN Antibody (N-term) is for research use only and not for use in diagnostic or



Anti-VTN Antibody (N-term) at 1:32000 dilution + human plasma lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 54 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-VTN Antibody (N-term) at 1:2000 dilution + Caco2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),

therapeutic procedures.

VTN Antibody (N-term) - Protein Information

Name VTN

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.

Cellular Location
Secreted, extracellular space

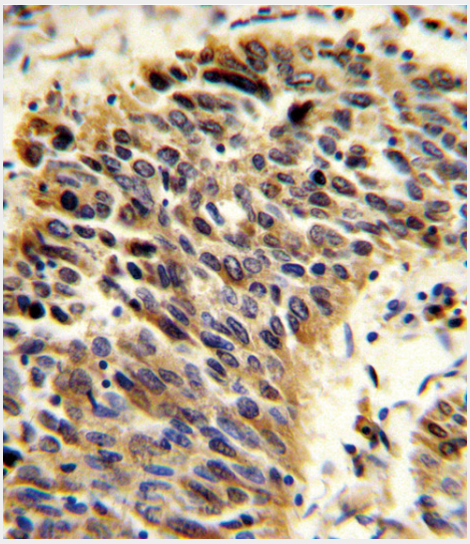
Tissue Location
Expressed in the retina pigment epithelium (at protein level) (PubMed:25136834). Expressed in plasma (at protein level) (PubMed:2448300). Expressed in serum (at protein level) (PubMed:29567995).

VTN Antibody (N-term) - Protocols

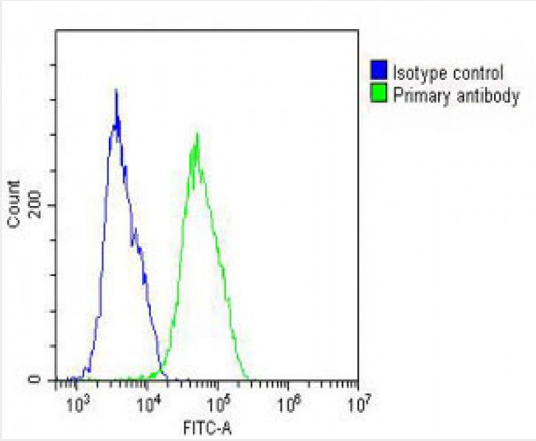
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 54 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human lung carcinoma reacted with VTN Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Overlay histogram showing MCF-7 cells stained with AP7462a (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP7462a, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution

for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

VTN Antibody (N-term) - Background

VTN is a member of the pexin family. This protein 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. The protein is a secreted protein and exists in either a single chain form or a clipped, two chain form held together by a disulfide bond.

VTN Antibody (N-term) - References

Jenne D.E., Stanley K.K.EMBO J. 4:3153-3157(1985) Sigurdardottir O., Wiman B.Biochim. Acta 1208:104-110(1994) Seiffert D., Loskutoff D.J.J. Biol. Chem. 266:2824-2830(1991)

VTN Antibody (N-term) - Citations

- The Hippo pathway target, YAP, promotes metastasis through its TEAD-interaction domain.