10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

VTN Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7462b

Specification

VTN Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P04004
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**54306**
Antigen Region	**352-379**

VTN Antibody (C-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 352-379 amino acids from the C-terminal region of human VTN.

Dilution
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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 (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

VTN Antibody (C-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

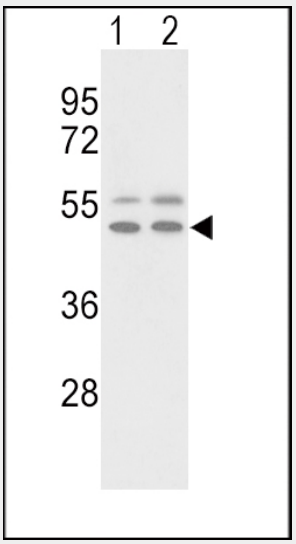
Tissue Location
Expressed in the retina pigment epithelium (at protein level) (PubMed:25136834). Expressed in plasma (at protein level) (PubMed:2448300). Expressed in serum (at protein level) (PubMed:29567995).

VTN Antibody (C-term) - Protocols

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

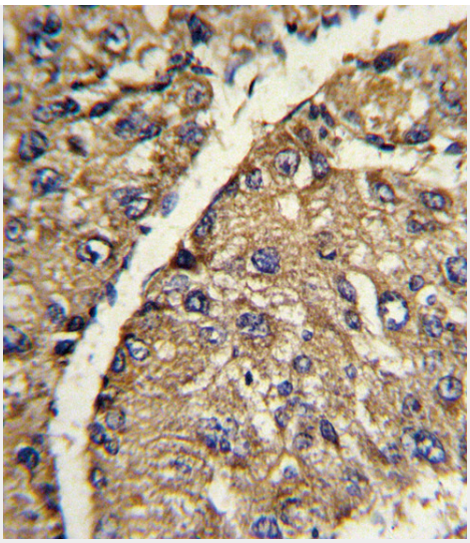
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

VTN Antibody (C-term) - Images

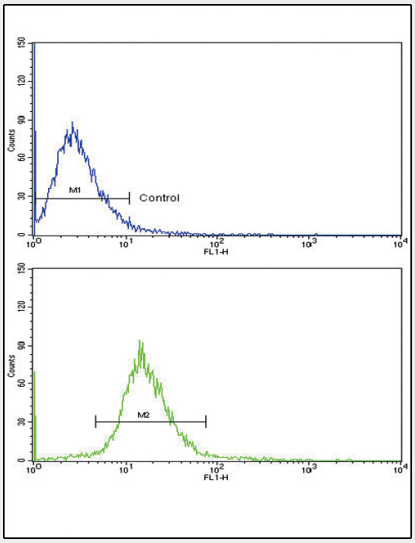


Western blot analysis of VTN Antibody (C-term) (Cat.#AP7462b) in NCI-H460(lane 1), HepG2(lane 2) cell line lysates (35ug/lane). VTN (arrow) was detected using the purified Pab.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Formalin-fixed and paraffin-embedded human hepatocarcinoma with VTN Antibody (C-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.



Flow cytometric analysis of NCI-H292 cells using VTN Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

VTN Antibody (C-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 (C-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)