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

VTN Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1967a

Specification

VTN Antibody - Product Information

Application	**WB, IHC, FC, E**
Primary Accession	P04004
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b**
Calculated MW	**54.3kDa KDa**

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.

Immunogen
Purified recombinant fragment of human VTN (AA: 20-199) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide.

VTN Antibody - Additional Information

Gene ID 7448

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

Dilution
WB~~1/500 - 1/2000
IHC~~1/200 - 1/1000
FC~~1/200 - 1/400
E~~1/10000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
VTN Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

VTN Antibody - Protein Information

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

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.

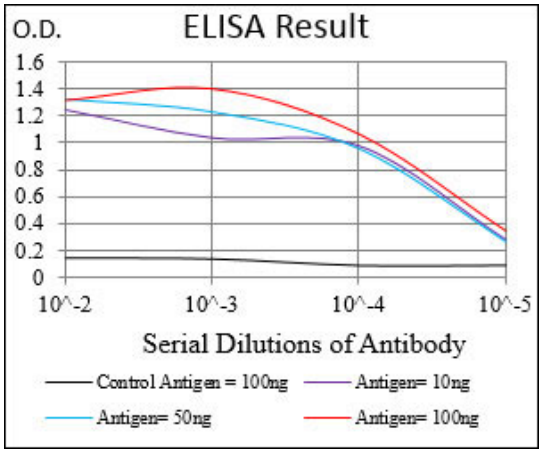
Cellular Location
Secreted, extracellular space

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 - 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



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

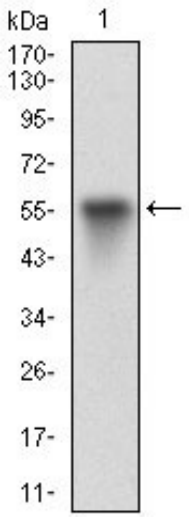


Figure 1: Western blot analysis using VTN mAb against human VTN (AA: 20-199) recombinant protein. (Expected MW is 45.9 kDa)

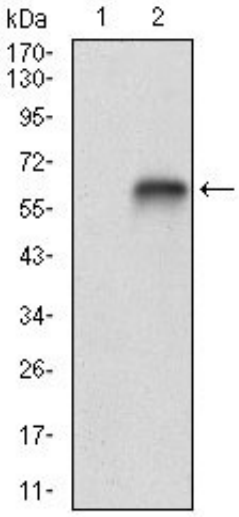


Figure 2: Western blot analysis using VTN mAb against HEK293 (1) and VTN (AA: 20-199)-hIgGFc transfected HEK293 (2) cell lysate.

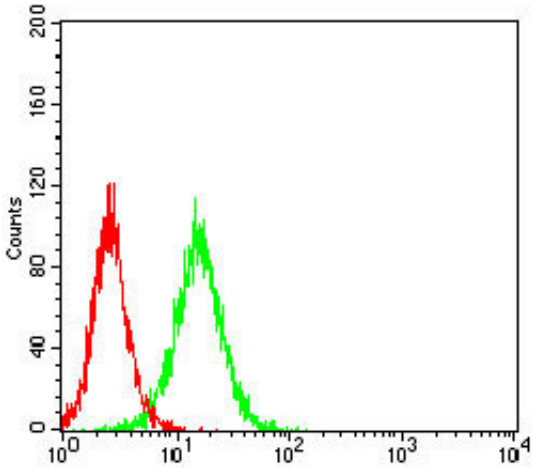


Figure 3: Flow cytometric analysis of Hela cells using VTN mouse mAb (green) and negative control (red).

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

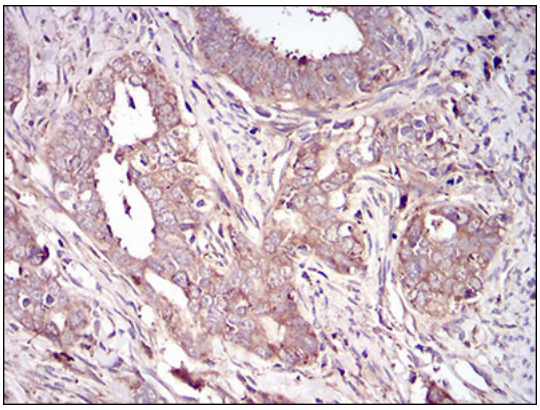


Figure 4: Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using VTN mouse mAb with DAB staining.

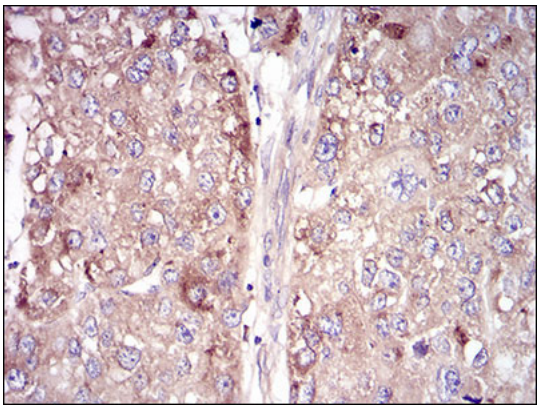


Figure 5: Immunohistochemical analysis of paraffin-embedded liver cancer tissues using VTN mouse mAb with DAB staining.

VTN Antibody - Background

Calmegin is a testis-specific endoplasmic reticulum chaperone protein. CLGN may play a role in spermatogeneisis and infertility. ; ;

VTN Antibody - References

1. Inflamm Res. 2012 Nov;61(11):1241-6.2. J Cancer Res Clin Oncol. 2011 Jul;137(7):1105-15.