

VTN Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1967a

Specification

VTN Antibody - Product Information

Application	E, WB, FC, IHC
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

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

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

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

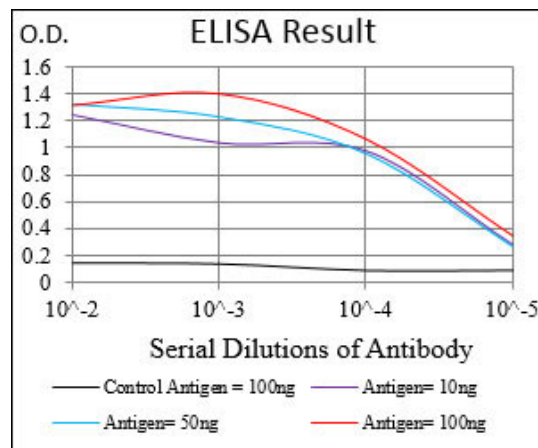
Tissue Location

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 Cytometry](#)
- [Cell Culture](#)



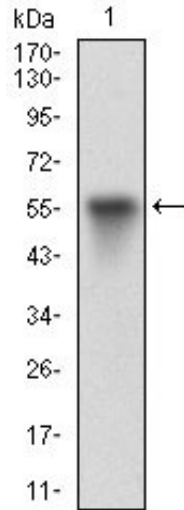


Figure 1: Western blot analysis using VTN mAb against human VTN (AA: 20-199) recombinant protein. (Expected MW is 45.9 kDa)

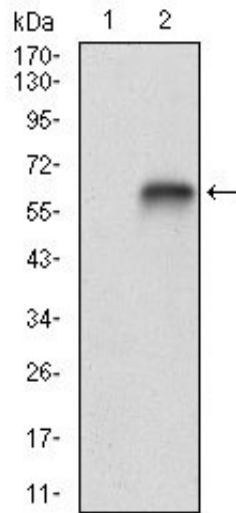


Figure 2: Western blot analysis using VTN mAb against HEK293 (1) and VTN (AA: 20-199)-hlgGfC transfected HEK293 (2) cell lysate.

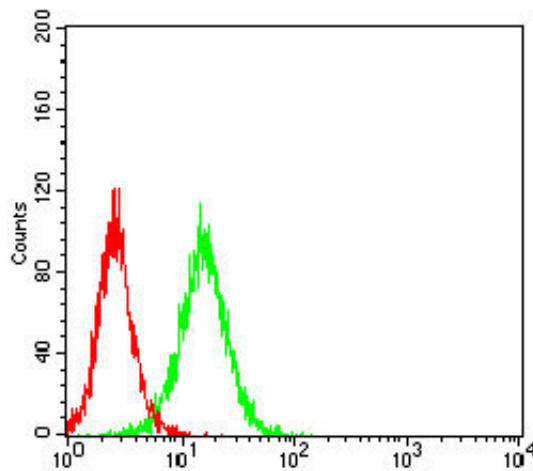


Figure 3: Flow cytometric analysis of HeLa cells using VTN mouse mAb (green) and negative control (red).

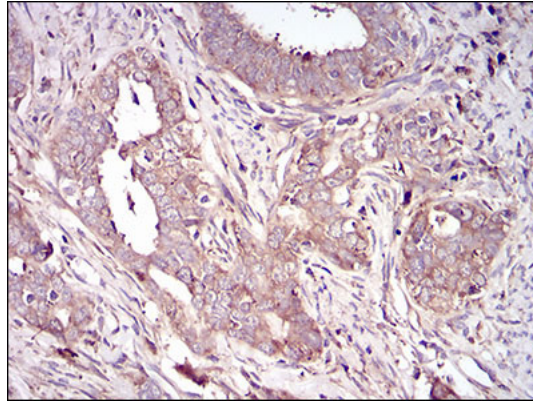


Figure 4: Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using VTN mouse mAb with DAB staining.

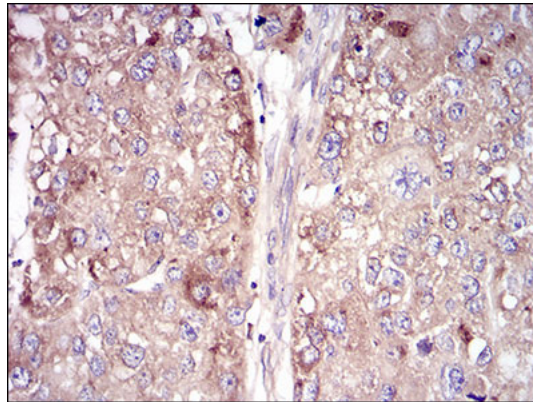


Figure 5: Immunohistochemical analysis of paraffin-embedded liver cancer tissues using VTN mouse mAb with DAB staining.

VTN Antibody - Background

Calmegein is a testis-specific endoplasmic reticulum chaperone protein. CLGN may play a role in spermatogenesis 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.