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VTN Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1967a

Product Information

Application	WB, IHC, FC, E
Primary Accession	P04004
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	1G11E8
Isotype	IgG2b
Calculated MW	54306
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.

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.

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).

Background

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

References

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

Images

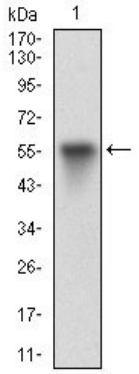


Figure 1: Western blot analysis using VTN mAb against human VTN (AA: 20-199) recombinant protein. (Expected MW is 45.9 kDa)

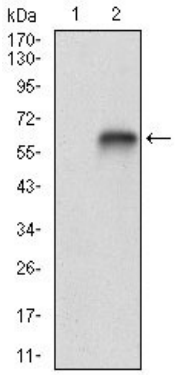


Figure 2: Western blot analysis using VTN mAb against HEK293 (1) and VTN (AA: 20-199)-hIgGFc transfected HEK293 (2) cell lysate.

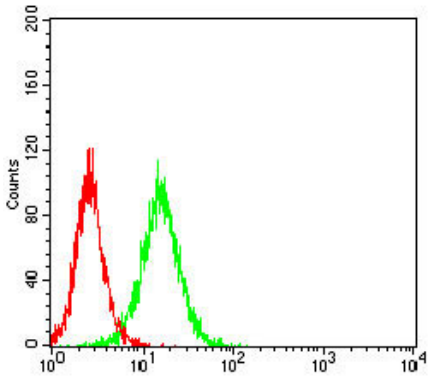


Figure 3: Flow cytometric analysis of Hela cells using VTN mouse mAb (green) and negative control (red).

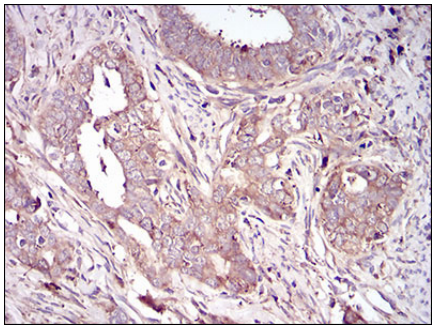


Figure 4: Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using VTN mouse mAb with DAB staining.

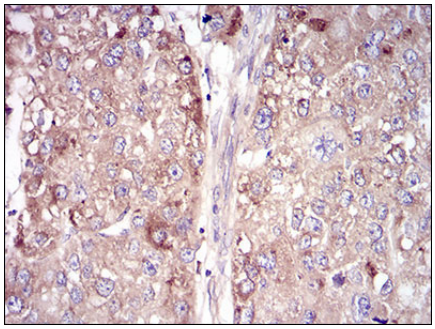


Figure 5: Immunohistochemical analysis of paraffin-embedded liver cancer tissues using VTN mouse mAb with DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.