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

VTN Antibody(Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2089a

Product Information

Application	WB, E
Primary Accession	P04004
Other Accession	NP_000629.3
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Clone Names	389CT23.2.1.3
Calculated MW	54306
Antigen Region	352-379

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 mice immunized with a KLH conjugated synthetic peptide between 352-379 amino acids from human VTN.
Dilution	WB~~1:500~1600 E~~Use at an assay dependent concentration.
Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
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(Ascites) 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).

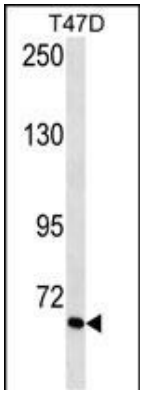
Background

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.

References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Chillakuri, C.R., et al. FEBS Lett. 584(15):3287-3291(2010)
Sa E Cunha, C., et al. PLoS Pathog. 6 (5), E1000911 (2010) :
Kellouche, S., et al. Tumour Biol. 31(2):129-139(2010)
Singh, B., et al. Mol. Microbiol. 75(6):1426-1444(2010)

Images



VTN Antibody (Cat. #AM2089a) western blot analysis in T47D cell line lysates (35µg/lane).This demonstrates the VTN antibody detected the VTN protein (arrow).