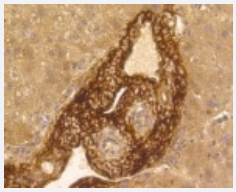
RecomAb™ Sm Size

VTN recombinant monoclonal antibody

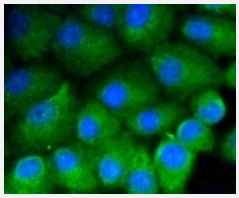
Catalog # RAB09428 Size 50 uL

Applications



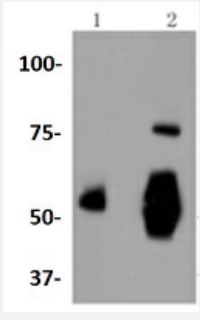
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human liver tissue using VTN recombinant monoclonal antibody (Cat # RAB09428).Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of A549 cells using VTN recombinant monoclonal antibody (Cat # RAB09428)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.



Western Blot (Tissue lysate)

Western blot analysis of Lane1:The liver tissue lysate of Human Lane2:Human serum with VTN recombinant monoclonal antibody (Cat # RAB09428) at 1:1000 dilution.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against VTN.

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Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant VTN.
Theoretical MW (kDa)	54, 75
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of Vitronectin and does not cross-react with related proteins.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human liver tissue using VTN recombinant monoclonal antibody (Cat # RAB09428).Counter stained with hematoxylin.

- Immunocytochemistry

  Immunocytochemical staining of A549 cells using VTN recombinant monoclonal antibody (Cat # RAB09428)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

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- Western Blot (Tissue lysate)

  Western blot analysis of Lane1:The liver tissue lysate of Human Lane2:Human serum with VTN recombinant monoclonal antibody (Cat # RAB09428) at 1:1000 dilution.

Gene Info — VTN

Entrez GeneID	7448
Protein Accession#	P04004
Gene Name	VTN
Gene Alias	V75, VN, VNT
Gene Description	vitronectin
Omim ID	193190
Gene Ontology	Hyperlink
Gene Summary	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 termin al cytolytic complement pathway, and binds to several serpin serine protease inhibitors. It is a sec reted protein and exists in either a single chain form or a clipped, two chain form held together by a disulfide bond. [provided by RefSeq
Other Designations	complement S-protein|epibolin|serum spreading factor|somatomedin B|vitronectin (serum spreadi ng factor, somatomedin B, complement S-protein)

Pathway

- ECM-receptor interaction
- Focal adhesion

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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- Genetic Predisposition to Disease
- Macular Degeneration
- Thyroid Neoplasms

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