

Anti-Vitronectin Picoband Antibody

Catalog # ABO12147

Product Information

Application	WB, IHC-P
Primary Accession	P04004
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Vitronectin(VTN) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	7448
Other Names	Vitronectin, VN, S-protein, Serum-spreading factor, V75, Vitronectin V65 subunit, Vitronectin V10 subunit, Somatomedin-B, VTN
Calculated MW	54306
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat
Subcellular Localization	Secreted, extracellular space.
Tissue Specificity	Plasma.
Source	Eukaryota
Protein Name	Vitronectin
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Vitronectin (446-472 aa RVNLRTRRVDTVDPYPYRSIAQYWLGC), different from the related mouse sequence by two amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also

be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.

Contains 4 hemopexin repeats.

Sequence Similarities

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).

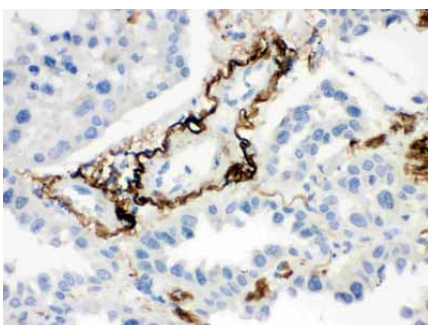
Background

Vitronectin, also known as VTN, is a protein that in humans is encoded by the VTN gene. 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. Also vitronectin serves to regulate proteolysis initiated by plasminogen activation. In addition, vitronectin is a component of platelets and is, thus, involved in hemostasis.

Images



Anti- Vitronectin Picoband antibody, ABO12147, Western blottingAll lanes: Anti Vitronectin (ABO12147) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Rat Lung Tissue Lysate at 50ugLane 3: HEPG2 Whole Cell Lysate at 40ug Lane 4: HELA Whole Cell Lysate at 40ugLane 5: HEPA Whole Cell Lysate at 40ugPredicted bind size: 54KDObserved bind size: 54KD



Anti- Vitronectin Picoband antibody, ABO12147, IHC(P)IHC(P): Human Lung Cancer Tissue

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