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Anti-Vitronectin Picoband Antibody
Catalog # ABO12147

Specification

Anti-Vitronectin Picoband Antibody - 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.

Anti-Vitronectin Picoband 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

Calculated MW
54306 MW KDa

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.

Protein Name
Vitronectin

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of human Vitronectin (446-472 aa RVNLRTRRVDTVDPPYPRSIAQYWLGC), 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 r˚Constitution, 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.

Sequence Similarities
Contains 4 hemopexin repeats.

Anti-Vitronectin Picoband 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).

Anti-Vitronectin Picoband 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 Cytomety
- Cell Culture

Anti-Vitronectin Picoband Antibody - Images

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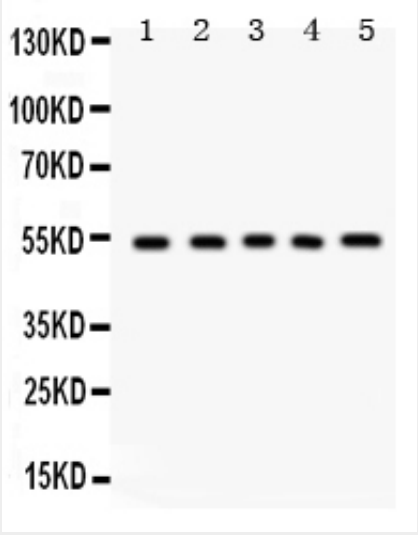
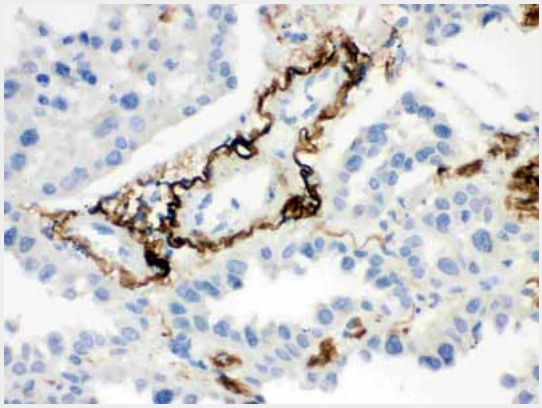


Anti- Vitronectin Picoband antibody, ABO12147, Western blottingAll lanes: Anti Vitronectin (ABO12147) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Rat Lung Tissue Lysate at 50ugLane 3: HEPG2 Whole Cell Lysate at 40ug Lane 4: HELA Whole Cell Lysate at 40ugLane 5: HEPA Whole Cell Lysate at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



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

Anti-Vitronectin Picoband Antibody - 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.