

Datasheet for ABIN3042327
anti-Vitronectin antibody (C-Term)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Vitronectin (VTN)
Binding Specificity:	AA 446-472, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Vitronectin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Vitronectin(VTN) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Vitronectin (446-472 aa RVNLRTRRVD TVDPPYPRSI AQYWLGC), different from the related mouse sequence by two amino acids.
Sequence:	RVNLRTRRVD TVDPPYPRSI AQYWLGC
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Vitronectin(VTN) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: vitronectin

Product Details

Protein Name: Vitronectin

Purification: Immunogen affinity purified.

Target Details

Target: Vitronectin (VTN)

Alternative Name: VTN ([VTN Products](#))

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.

Synonyms: Complement S Protein antibody|Epibolin antibody|S Protein antibody|S-protein antibody|Serum Spreading Factor antibody|Serum-spreading factor antibody|Somatomedin B antibody| Somatomedin-B antibody|V75 antibody|Vitronectin V10 subunit antibody|Vitronectin V65 subunit antibody|VN antibody|VNT antibody|VTN antibody|VTNC_HUMAN antibody

Gene ID: 7448

UniProt: [P04004](#)

Pathways: [Autophagy](#), [Smooth Muscle Cell Migration](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat, The detection limit for Vitronectin is approximately 0.25 ng/lane under reducing conditions.
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

Application Details

ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

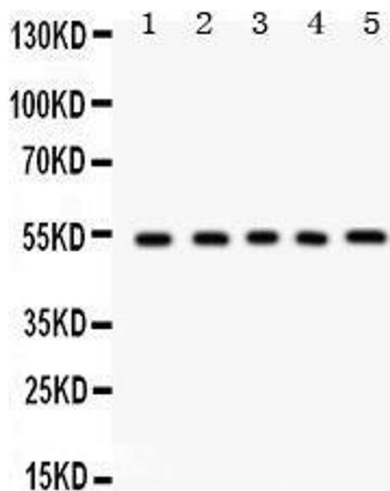
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: 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.

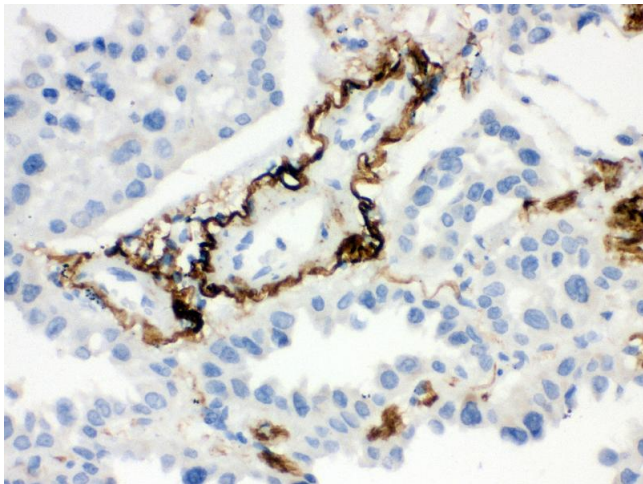
Publications

Product cited in: You, Zhang, Li, Li, Li, Li, Zhu, Peng, Sun: "Cloning and molecular characterization of phospholipase D (PLD) delta gene from longan (Dimocarpus longan Lour.)." in: **Molecular biology reports**, Vol. 41, Issue 7, pp. 4351-60, (2014) ([PubMed](#)).



Western Blotting

Image 1. Anti- Vitronectin Picoband antibody, Western blotting All lanes: Anti Vitronectin at 0.5ug/ml Lane 1: Rat Liver Tissue Lysate at 50ug Lane 2: Rat Lung Tissue Lysate at 50ug Lane 3: HEPG2 Whole Cell Lysate at 40ug Lane 4: HELA Whole Cell Lysate at 40ug Lane 5: HEPA Whole Cell Lysate at 40ug Predicted bind size: 54KD Observed bind size: 54KD



Immunohistochemistry

Image 2. Anti- Vitronectin Picoband antibody, IHC(P) IHC(P): Human Lung Cancer Tissue