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**Product Name: Vitronectin Rabbit Polyclonal Antibody****Catalog #: APRab19809**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Rat,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	55kDa

**Antigen Information**

<b>Gene Name</b>	VTN
<b>Alternative Names</b>	VTN; Vitronectin; VN; S-protein; Serum-spreading factor; V75
<b>Gene ID</b>	7448.0
<b>SwissProt ID</b>	P04004
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human VTN. AA range:50-100

**Background**

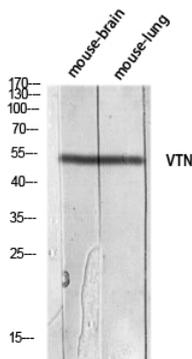
The protein encoded by this gene is a member of the pexin family. It is found in serum and tissues and promotes cell adhesion

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. [provided by RefSeq, Jul 2008],domain:The SMB domain mediates interaction with SERPINE1/PAI1. The heparin-binding domain mediates interaction with insulin.,function:Somatomedin-B is a growth hormone-dependent serum factor with protease-inhibiting activity.,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.,PTM:It has been suggested that the active SMB domain may be permitted considerable disulfide bond heterogeneity or variability, thus two alternate disulfide patterns based on 3D structures are described with 1 disulfide bond conserved in both.,PTM:N- and O-glycosylated.,PTM:Phosphorylation on Thr-69 and Thr-76 favors cell adhesion and spreading.,PTM:Sulfated on 2 tyrosine residues.,similarity:Contains 1 SMB (somatomedin-B) domain.,similarity:Contains 4 hemopexin-like domains.,subunit:Exists in two forms: a single chain 75 kDa form (V75) and a clipped form composed of two chains (65 kDa and 10 kDa) (V65+V10) which are held together by a disulfide bond. Interacts with SERPINE1/PAI1 and insulin.,tissue specificity:Plasma,.

## Research Area

Focal adhesion;ECM-receptor interaction;

## Image Data



Western blot analysis of mouse-brain mouse-lung lysis using VTN antibody. Antibody was diluted at 1:1000. Secondary antibody was diluted at 1:20000