

## **Vitronectin Polyclonal Antibody**

Catalog No: YT5706

**Reactivity:** Human; Mouse

**Applications:** WB;ELISA

Target: Vitronectin

**Fields:** >>PI3K-Akt signaling pathway;>>Focal adhesion;>>ECM-receptor

interaction;>>Complement and coagulation cascades;>>Human papillomavirus

infection;>>Proteoglycans in cancer

Gene Name: VTN

Protein Name: Vitronectin

Human Gene Id: 7448

**Human Swiss Prot** 

No:

**Mouse Swiss Prot** 

No:

**Immunogen:** The antiserum was produced against synthesized peptide derived from the

Internal region of human VTN. AA range:50-100

**Specificity:** Vitronectin Polyclonal Antibody detects endogenous levels of Vitronectin protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

P04004

P29788

**Dilution:** WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/3



Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 55kD

**Cell Pathway:** Focal adhesion; ECM-receptor interaction;

**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],

**Function:** 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

Subcellular Secreter Location : P.falcipar

Secreted, extracellular space .; Parasitophorous vacuole . (Microbial infection) In P.falciparum-infected red blood cells, VTN internalization is detected at the early trophozoite stage (PubMed:29567995). Colocalizes with SERA5 at the schizont

stage and with SERA5 P47 at the merozoite surface (PubMed:29567995). .

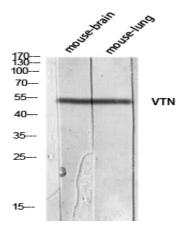
**Expression:** Expressed in the retina pigment epithelium (at protein level)

(PubMed:25136834). Expressed in plasma (at protein level) (PubMed:2448300).

Expressed in serum (at protein level) (PubMed:29567995).

## **Products Images**

2/3



Western blot analysis of mouse-brain mouse-lung lysis using VTN antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000