

AP00921PU-N**Polyclonal Antibody to Vitronectin - Purified****Alternate names:**

S-protein, Serum-spreading factor, V75, VTN

Quantity:

1 mg

Concentration:

6.19mg/ml (OD280nm, E0.1% = 1.36)

Background:

Vitronectin (also known as serum spreading factor, S protein of complement or epibolin) is one of the major multifunctional cell adhesive glycoproteins in mammalian plasma and serum. It is a monomeric acidic glycoprotein detected as a mixture of 75 kD and 65 kD polypeptides. Vitronectin binds to heparin, collagen, streptococci and variety of cultured cells. It also acts as an inhibitor of the complement cascade by binding to the C5b9 complex. Vitronectin promotes cell adhesion and spreading by binding through its cell attachment tripeptide Arg-Gly-Asp (RG-D), activity which is mediated by several different integrin receptors. Apart from the significance for identifying the molecule in the above situations, it also plays an important role in events such as embryonal development, deposition of vitronectin in a number of fibrotic disease states, carcinomas and metastases.

Uniprot ID:[P04004](#)**NCBI:**[9606](#)**GeneID:**[7448](#)**Host:**

Rabbit

Immunogen:

Native human vitronectin

Format:**State:** Liquid purified Ig**Purification:** >98% pure (SDS-PAGE). Protein A chromatography**Buffer System:** 0.05M Sodium phosphate, pH 6.6 containing 0.1M Sodium chloride, 1mM EDTA**Applications:**

ELISA.

Western Blot.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts with both native monomeric and polymeric vitronectin in various tissues and plasma.

Species: Human.

Other species not tested.

Storage:

Store the antibody at -70°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.