

Product datasheet for **AP00921PU-N**

Vitronectin (VTN) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western Blot.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Native human vitronectin
Specificity:	This antibody reacts with both native monomeric and polymeric vitronectin in various tissues and plasma.
Formulation:	0.05M Sodium phosphate, pH 6.6 containing 0.1M Sodium chloride, 1mM EDTA State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	>98% pure (SDS-PAGE). Protein A chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -70°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	vitronectin
Database Link:	Entrez Gene 7448 Human P04004



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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.

Synonyms:

VTN, S-protein, V75