

Product datasheet

Anti-Vitronectin/S-Protein antibody ab211291

2 Images

Overview

Product name	Anti-Vitronectin/S-Protein antibody
Description	Sheep polyclonal to Vitronectin/S-Protein
Host species	Sheep
Specificity	ab211291 is specific for Vitronectin/S-Protein as demonstrated by immunoelectrophoresis. A single precipitin arc is observed with normal plasma, of identical mobility to that obtained with purified Vitronectin.
Tested applications	Suitable for: IHC-P, Immunoelectrophoresis
Species reactivity	Reacts with: Human
Immunogen	<p>Full length native protein (purified) corresponding to Human Vitronectin/S-Protein aa 20-478. Purified from Human plasma. NP_000629.3.</p> <p>Sequence:</p> <pre>DQESCKGRCTEGFNVDKKCQCDELCSYYQSCCTDYT AECKPQVTRGDVFT MPEDEYTYDDGEEKNNATVHEQVGGPSLTSDLQAAQ SKGNPEQTPVLKPE EEAPAPEVGASKPEGIDSRPETLHPGRPQPPAEEELC SGKPFDAFTDLKN GSLFAFRGQYCVELDEKAVRPGYPKLIRDVWGIEGPID AAFTRINCQGKT YLFKGSQYWR FEDGVLD PDYPRNISDGF DGIPDNVDA ALALPAHSYSGRE RVYFFKGKQYWEYQFQHQP SQEECEGSSL SAVFEHF AMMQRDSWEDIFEL LFWGRTSAGTRQPQFISRDWHGVPGQVDAAMAGRYM SGMAPRPSLAKKQ RFRHRNRKGYRSQRGHSRGRNQNSRRPSRATWLSLF SSEESNLGANNYDD YRMDWLVPATCEPIQSVFFFSGDKYYRVNLRTRRVDT VDPPYPRSIAQYW LGCPAPGHL</pre> <p>Database link: P04004</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> Run BLAST with Run BLAST with </div>
Positive control	Human lung and Human liver tissues.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Constituents: 0.87% Sodium chloride, 0.24% HEPES, 50% Glycerol
Purity	Ammonium Sulphate Precipitation
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab211291** in the following tested applications.

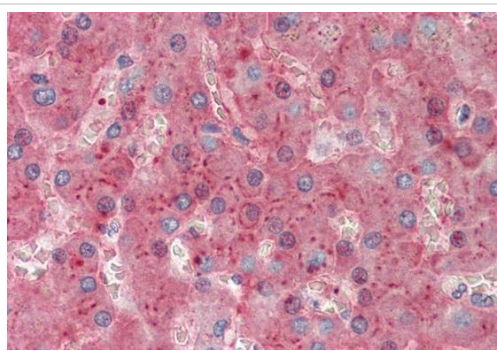
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Immunoelectrophoresis		Use at an assay dependent concentration.

Target

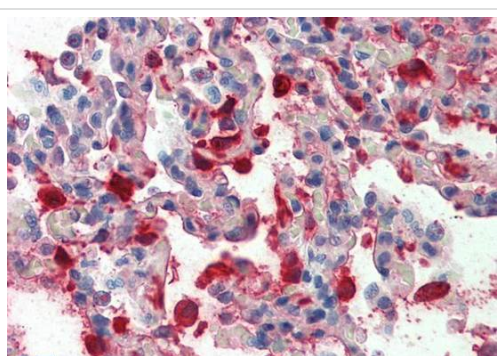
Function	Vitronectin is a cell adhesion and spreading factor found in serum and tissues. Vitronectin interact with glycosaminoglycans and proteoglycans. Is recognized by certain members of the integrin family and serves as a cell-to-substrate adhesion molecule. Inhibitor of the membrane-damaging effect of the terminal cytolytic complement pathway. Somatomedin-B is a growth hormone-dependent serum factor with protease-inhibiting activity.
Tissue specificity	Plasma.
Sequence similarities	Contains 4 hemopexin repeats. Contains 1 SMB (somatomedin-B) domain.
Domain	The SMB domain mediates interaction with SERPINE1/PAI1. The heparin-binding domain mediates interaction with insulin.
Post-translational modifications	Sulfated on 2 tyrosine residues. N- and O-glycosylated. Phosphorylation on Thr-69 and Thr-76 favors cell adhesion and spreading. 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. Phosphorylation sites are present in the extracellular medium.
Cellular localization	Secreted, extracellular space.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Vitronectin/S-Protein antibody (ab211291)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human liver tissue labeling Vitronectin/S-Protein with ab211291 at 5 µg/ml dilution.



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