

Product datasheet

Anti-Vitronectin/S-Protein antibody [EP781Y] ab46808

Recombinant RabMAb

[4 References](#) [4 Images](#)

Overview

Product name	Anti-Vitronectin/S-Protein antibody [EP781Y]
Description	Rabbit monoclonal [EP781Y] to Vitronectin/S-Protein
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human Vitronectin/S-Protein aa 100-200. The exact sequence is proprietary.
Positive control	WB: Human serum IHC-P: Human lung tissue. IP: Human serum
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Purification notes	This antibody has not been purified. It is provided in tissue culture supernatant and storage buffer.

Clonality	Monoclonal
Clone number	EP781Y
Isotype	IgG

Applications

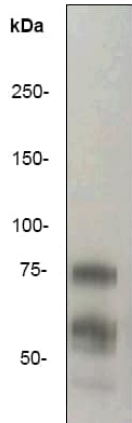
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab46808 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 54,60,75 kDa (predicted molecular weight: 54 kDa).
IP		1/50.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function	<p>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.</p> <p>Somatomedin-B is a growth hormone-dependent serum factor with protease-inhibiting activity.</p>
Tissue specificity	Plasma.
Sequence similarities	<p>Contains 4 hemopexin repeats.</p> <p>Contains 1 SMB (somatomedin-B) domain.</p>
Domain	The SMB domain mediates interaction with SERPINE1/PAI1. The heparin-binding domain mediates interaction with insulin.
Post-translational modifications	<p>Sulfated on 2 tyrosine residues.</p> <p>N- and O-glycosylated.</p> <p>Phosphorylation on Thr-69 and Thr-76 favors cell adhesion and spreading.</p> <p>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.</p> <p>Phosphorylation sites are present in the extracellular medium.</p>
Cellular localization	Secreted, extracellular space.

Images



Western blot - Anti-Vitronectin/S-Protein antibody [EP781Y] (ab46808)

Anti-Vitronectin/S-Protein antibody [EP781Y] (ab46808) at 1/20000 dilution + Human serum at 10 μ g

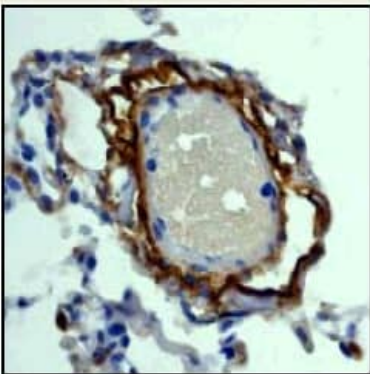
Secondary

Goat anti-rabbit, HRP labelled. at 1/2000 dilution

Predicted band size: 54 kDa

Observed band size: 75 kDa

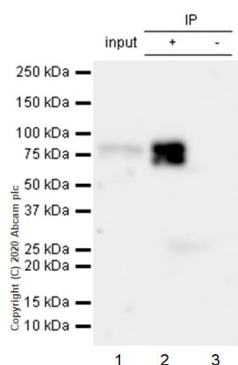
Additional bands at: 54 kDa (possible non-specific binding), 60 kDa (possible non-specific binding)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Vitronectin/S-Protein antibody [EP781Y] (ab46808)

This image shows human lung tissue treated with ab46808 at 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-Vitronectin/S-Protein antibody [EP781Y] (ab46808)

Purified ab46808 at 1/50 dilution (2µg) immunoprecipitating Vitronectin/S-Protein in Human serum.

Lane 1 (input): Human serum 10µg

Lane 2 (+): ab46808 + Human serum.

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab46808 in Human serum.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/10,000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 65-75 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Vitronectin/S-Protein antibody [EP781Y] (ab46808)

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