Datasheet for ABIN2887824

anti-Vitronectin antibody

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Overview

Quantity:	50 µL
Target:	Vitronectin (VTN)
Reactivity:	Human, Cow, Dog, Goat, Horse, Cat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Vitronectin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Human vitronectin purified from plasma by heparin-affinity chromatography. Type of Immunogen: Purified protein
Isotype:	IgG1 kappa
Specificity:	Recognizes human vitronectin. There is no evidence for cross-reactivity with other connective tissue proteins (fibronectin, elastin, collagen, laminin). Species Crossreactivity: feline, canine, goat, bovine and to a lesser extent with equine. Binds nearly as well to native vitronectin as to denatured. Is a potent inhibitor of integrin-mediated cell adhesion to vitronectin and a moderate inhibitor of PAI-1 binding.
Purification:	Affinity purified

Target Details

Target:	Vitronectin (VTN)
Alternative Name:	VTN / Vitronectin (VTN Products)
Background:	Name/Gene ID: VTN Family: Matrix Protein Synonyms: VTN, Epibolin, Serum-spreading factor, VNT, S-protein, Somatomedin B, V75, VN, Complement S-protein, Serum spreading factor, Vitronectin
Gene ID:	7448
UniProt:	P04004
Pathways:	Autophagy, Smooth Muscle Cell Migration

Application Details

Application Notes:	Approved: ELISA (1:30000), IHC, IHC-P (2.5 µg/mL), WB (1:50) Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 2.5 µ g/mL. ELISA: 1:15000. Coat with vitronectin directly onto the microtiter well. Please note that cross-reactivity with species other than human has not been confirmed in IHC at this time. In the absence of testing data we cannot guarantee cross-reactivity with non-human species in IHC.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

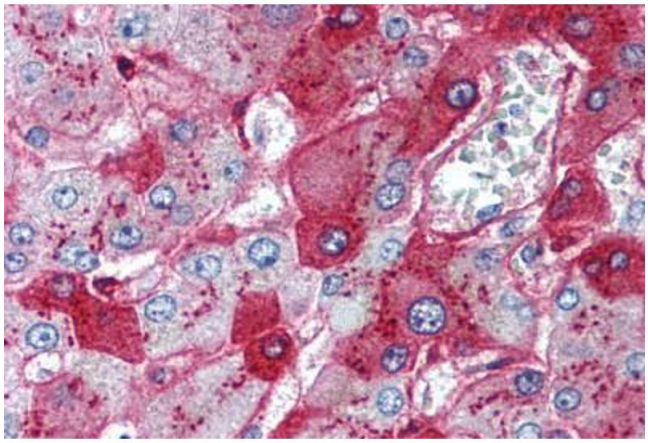
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, pH 7.4, 500 mM sodium chloride, 15 mM sodium azide, 40 % glycerol.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Liver (formalin-fixed, paraffin-embedded) stained with VTN antibody ABIN305725 at 2.5 ug/ml followed by biotinylated anti-mouse IgG secondary antibody ABIN481714, alkaline phosphatase-streptavidin and chromogen.