

Datasheet for ABIN2854865
anti-CD51 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	CD51 (ITGAV)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD51 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human Integrin alpha V. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Pig (Porcine), Cow (Bovine)
Cross-Reactivity (Details):	Pig (92 %), Bovine (91 %)
Characteristics:	Rabbit Polyclonal antibody to Integrin alpha V (integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)) Integrin alpha V antibody [C2C3], C-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	CD51 (ITGAV)
Alternative Name:	Integrin alpha V (ITGAV Products)
Background:	<p>ITAGV encodes integrin alpha chain V. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. The I-domain containing integrin alpha V undergoes post-translational cleavage to yield disulfide-linked heavy and light chains, that combine with multiple integrin beta chains to form different integrins. Among the known associating beta chains (beta chains 1,3,5,6, and 8, 'ITGB1', 'ITGB3', 'ITGB5', 'ITGB6', and 'ITGB8'), each can interact with extracellular matrix ligands, the alpha V beta 3 integrin, perhaps the most studied of these, is referred to as the Vitronectin receptor (VNR). In addition to adhesion, many integrins are known to facilitate signal transduction. Alternative splicing results in multiple transcript variants.</p> <p>Cellular Localization: Membrane, Single-pass type I membrane protein</p>
Molecular Weight:	116 kDa
Gene ID:	3685
Pathways:	Cell-Cell Junction Organization , Signaling Events mediated by VEGFR1 and VEGFR2 , Growth Factor Binding , Integrin Complex

Application Details

Application Notes:	<p>Suggested dilution Reference ELISA Assay-dependent dilution IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications.</p> <p>*Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceELISA Assay-dependent dilution IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*</p>
Comment:	Positive Control: RD (Rhabdomyosarcoma) cell (Mock control) , RD transfected scramble siRNA , HUVEC
Restrictions:	For Research Use only

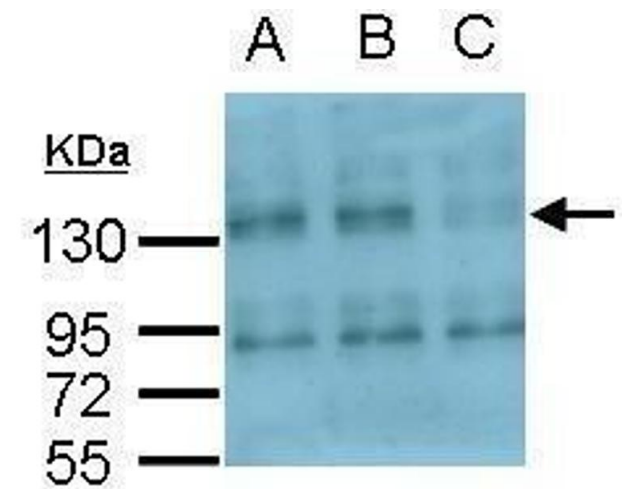
Handling

Format:	Liquid
Concentration:	0.58 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.

Handling

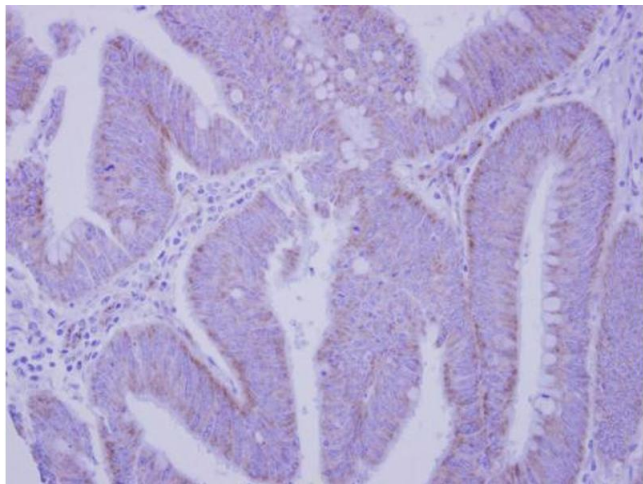
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



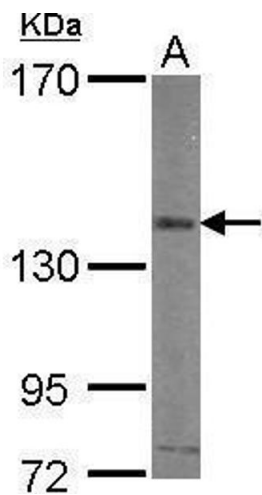
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: RD (Rhabdomyosarcoma) cell (Mock control) B: RD transfected scramble siRNA C: RD transfected ITGAV siRNA 8% SDS PAGE antibody diluted at 1:900



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using Integrin alpha V, antibody at 1:250 dilution.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A:
HUVEC 7.5% SDS PAGE antibody diluted at 1:500