Datasheet for ABIN3030247

anti-Cadherin 5 antibody (AA 106-134)

3 Images

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Overview

Quantity:	0.4 mL
Target:	Cadherin 5 (CDH5)
Binding Specificity:	AA 106-134
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cadherin 5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 106-134 from the human protein was used as the immunogen for this VE Cadherin antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	Cadherin 5 (CDH5)
Alternative Name:	VE Cadherin (CDH5) (CDH5 Products)
Background:	CDH5 is a classical cadherin from the cadherin superfamily and is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. It is a calcium-dependent cell-cell adhesion glycoprotein

Target Details

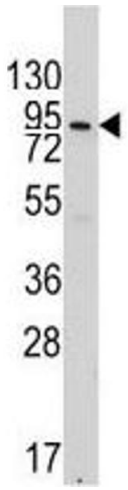
	comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Functioning as a classic cadherin by imparting to cells the ability to adhere in a homophilic manner, the protein may play an important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions.
UniProt:	P33151
Pathways:	Cell-Cell Junction Organization, Signaling Events mediated by VEGFR1 and VEGFR2

Application Details

Application Notes:	Titration of the VE Cadherin antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Flow Cytometry: 1:10-1:50
Restrictions:	For Research Use only

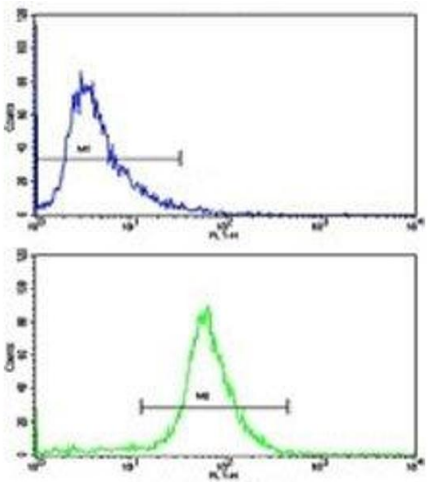
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the VE Cadherin antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



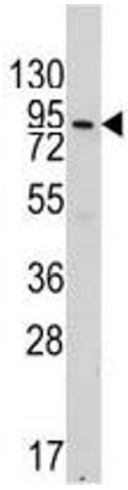
Western Blotting

Image 1. Western blot analysis of VE Cadherin antibody and 293 lysate. Predicted size: 90~140 kDa depending on glycosylation level



Flow Cytometry

Image 2. Flow cytometric analysis of 293 cells using VE Cadherin antibody (bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western Blotting

Image 3. Western blot analysis of VE Cadherin antibody and 293 lysate. Predicted size: 90~140 kDa depending on glycosylation level

