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Datasheet for ABIN6989012

anti-Cadherin 5 antibody (AA 46-140)

Overview

Quantity:	100 µL
Target:	Cadherin 5 (CDH5)
Binding Specificity:	AA 46-140
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cadherin 5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse CD144/VE Cadherin
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	Cadherin 5 (CDH5)
Alternative Name:	CD144/VE Cadherin (CDH5 Products)
Background:	Synonyms: VE-cadherin, 7B4 antigen, VECD, Vascular endothelial cell cadherin, 7B 4, 7B4, 7B4

Target Details

antigen, Cadherin 5, Cadherin 5 type 2, Cadherin-5, Cadherin5, CD 144, CD144 antigen, CDH 5, CDH5, CDH5 protein, Vascular endothelial cadherin, VE Cad antibody VEC, CADH5_HUMAN.

Background: Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells, cadherins may thus contribute to the sorting of heterogeneous cell types. This cadherin may play a important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. It associates with alpha-catenin forming a link to the cytoskeleton. Acts in concert with KRIT1 to establish and maintain correct endothelial cell polarity and vascular lumen. These effects are mediated by recruitment and activation of the Par polarity complex and RAP1B. Required for activation of PRKCZ and for the localization of phosphorylated PRKCZ, PARD3, TIAM1 and RAP1B to the cell junction.

Gene ID:	1003
UniProt:	P55284
Pathways:	Cell-Cell Junction Organization, Signaling Events mediated by VEGFR1 and VEGFR2

Application Details

Application Notes:	WB 1:300-5000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months