

Datasheet for ABIN7139104

anti-Cadherin 5 antibody (pTyr731)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Cadherin 5 (CDH5)
Binding Specificity:	pTyr731
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cadherin 5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of Tyrosine731 (H-I-Y(p)-G-Y) derived from Human VE-Cadherin.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	Cadherin 5 (CDH5)
Alternative Name:	CDH5 (CDH5 Products)

Target Details

Background:	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 an 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. Wessel F, et al. (2014) Nat Immunol 15, 223-30 Sawada J, et al. (2012) Cancer Cell 22, 235-49 Turowski P, et al. (2008) J Cell Sci 121, 29-37 Aliases: 7B 4 antibody, 7B4 antibody, 7B4 antigen antibody, CADH5_HUMAN antibody, Cadherin 5 antibody, Cadherin 5 type 2 antibody, Cadherin 5, type 2 (vascular endothelium) antibody, Cadherin 5, type 2, VE cadherin (vascular epithelium) antibody, cadherin, vascular endothelial antibody, cadherin, vascular endothelial, 1 antibody, Cadherin-5 antibody, Cadherin5 antibody, CD 144 antibody, CD144 antibody, CD144 antigen antibody, CDH 5 antibody, CDH5 antibody, CDH5 protein antibody, Endothelial specific cadherin antibody, FLJ17376 antibody, OTTHUMP00000174777 antibody, Vascular endothelial cadherin antibody, Vascular epithelium cadherin antibody, VE Cad antibody, VE-cadherin antibody, VEC antibody
UniProt:	P33151
Pathways:	Cell-Cell Junction Organization , Signaling Events mediated by VEGFR1 and VEGFR2

Application Details

Application Notes:	WB:1:500-1:1000,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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

Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images

Western Blotting

Image 1. Western blot analysis of extracts from HepG2 cells treated with Na3VO4 using Phospho-VE-Cadherin (Tyr731) antibody. The lane on the right is treated with the antigen-specific peptide.

