

Datasheet for ABIN7139104

anti-Cadherin 5 antibody (pTyr731)

1 Image



Go to Product page

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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	
Immunogen:	Peptide sequence around phosphorylation site of Tyrosine731 (H-I-Y(p)-G-Y) derived from Human VE-Cadherin.	
Immunogen: Isotype:		
	Human VE-Cadherin.	
Isotype:	Human VE-Cadherin.	
Isotype: Cross-Reactivity:	Human VE-Cadherin. IgG Human, Mouse	
Isotype: Cross-Reactivity:	Human VE-Cadherin. IgG Human, Mouse Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH	
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Isotype: Cross-Reactivity: Purification: Target Details	Human VE-Cadherin. IgG Human, Mouse 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 chromatogramphy usi	

Target Details

Background:

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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.

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 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 Mg2+ and Ca2+), pH 7.4, 150 mM NaCl,

0.02 % sodium azide and 50 % glycerol.

Preservative:

Sodium azide

Precaution of Use:

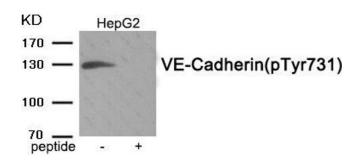
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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.
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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 antigenspecific peptide.