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Datasheet for ABIN1387250  
**anti-Cadherin 5 antibody (AA 251-320)**

3 Images

Overview

Quantity:	100 µL
Target:	Cadherin 5 (CDH5)
Binding Specificity:	AA 251-320
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cadherin 5 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human VE Cadherin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	Cadherin 5 (CDH5)
Alternative Name:	VE Cadherin ( <a href="#">CDH5 Products</a> )
Background:	Synonyms: 7B4, CD144, Cadherin-5, 7B4 antigen, Vascular endothelial cadherin, VE-cadherin,

## Target Details

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CDH5

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. 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.

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Gene ID: 1003

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UniProt: [P33151](#)

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Pathways: [Cell-Cell Junction Organization](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#)

## Application Details

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Application Notes: FCM 1:20-100  
IHC-P 1:200-400

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: 0.01M TBS (pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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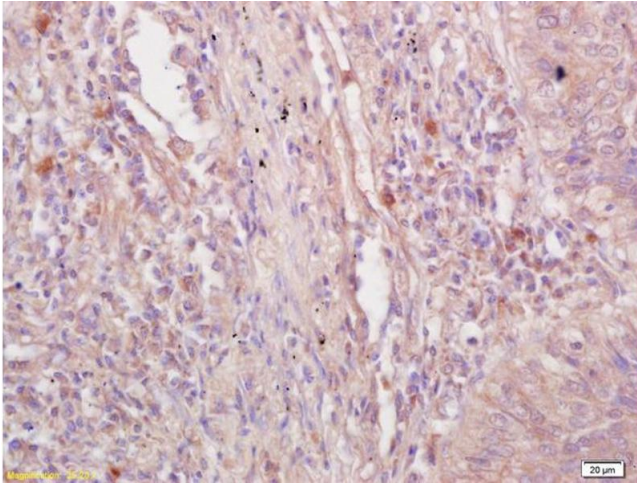
Storage: 4 °C, -20 °C

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

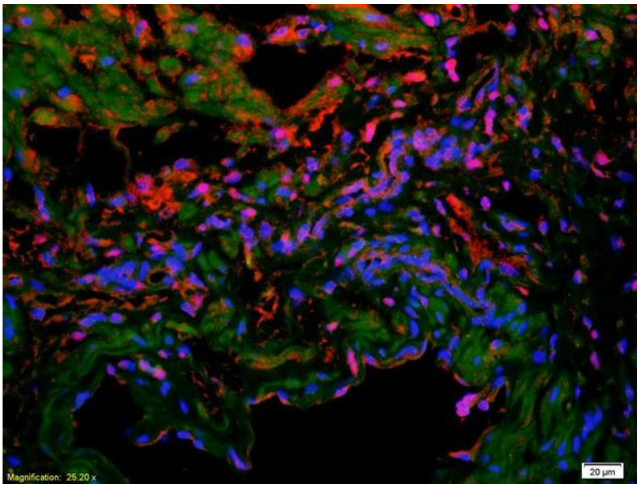
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Expiry Date: 12 months



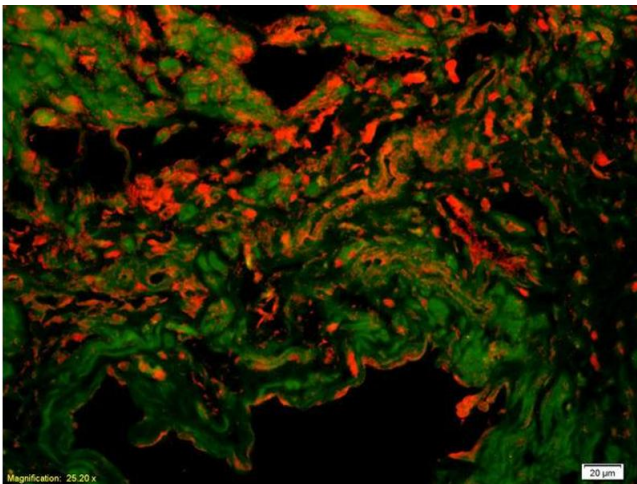
### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human lung carcinoma labeled with Rabbit Anti VE Cadherin/VECD/CD144 Polyclonal Antibody, Unconjugated (ABIN1387250) at 1:200 followed by conjugation to the secondary antibody and DAB staining



### Immunofluorescence

**Image 2.** Formalin-fixed and paraffin-embedded human colon carcinoma labeled with Anti-VE Cadherin/VECD/CD144 Polyclonal Antibody, Unconjugated (ABIN1387250) 1:200, overnight at 4°C, The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C. DAPI was used to stain the cell nuclei



### Immunofluorescence

**Image 3.** Formalin-fixed and paraffin-embedded human colon carcinoma labeled with Anti-VE Cadherin/VECD/CD144 Polyclonal Antibody, Unconjugated (ABIN1387250) 1:200, overnight at 4°C, The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C.