

Datasheet for ABIN729343  
**anti-Cadherin 5 antibody (AA 601-700)**

## 6 Images

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## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | Cadherin 5 (CDH5)  |
| Binding Specificity: | AA 601-700   |
| Reactivity:          | Human, Mouse, Rat  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This Cadherin 5 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)) |

## Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | KLH conjugated synthetic peptide derived from mouse vascular endothelial cadherin |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human, Mouse, Rat   |
| Purification:     | Purified by Protein A.  |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | Cadherin 5 (CDH5)                             |
| Alternative Name: | VE Cadherin ( <a href="#">CDH5 Products</a> ) |

## Target Details

|             |   |
|-------------|---|
| Background: | <p>Synonyms: 7B4, Vec, VECD, Cd144, VEcad, VE-Cad, AA48225, Cadherin-5, Vascular endothelial cadherin, VE-cadherin, Cdh5</p> <p>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. 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 localization of phosphorylated PRKCZ, PARD3, TIAM1 and RAP1B to the cell junction.</p> |
| Gene ID:    | 12562   |
| UniProt:    | <a href="#">P55284</a>  |
| Pathways:   | <a href="#">Cell-Cell Junction Organization</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a>  |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | <p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> <p>ICC 1:100-500</p> |
| Restrictions:      | For Research Use only   |

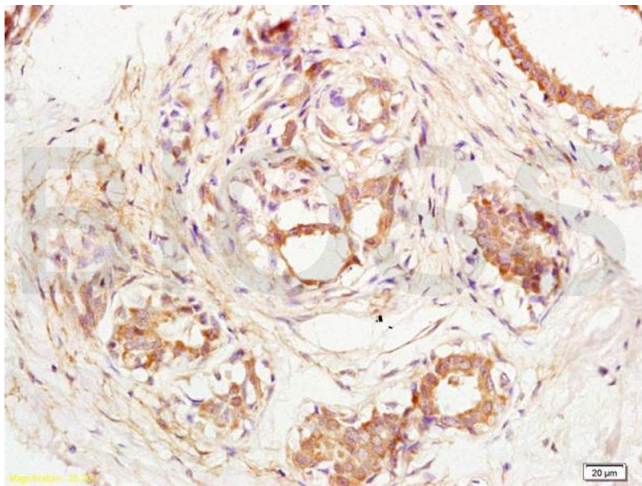
## Handling

|                    |   |
|--------------------|---|
| 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 |

Handling

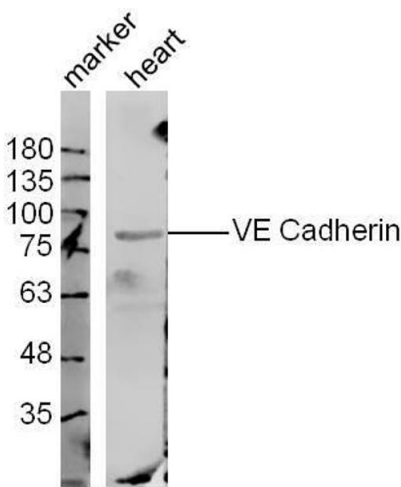
|                  |   |
|------------------|---|
|                  | handled by trained staff only.  |
| Storage:         | 4 °C,-20 °C   |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date:     | 12 months   |

Images



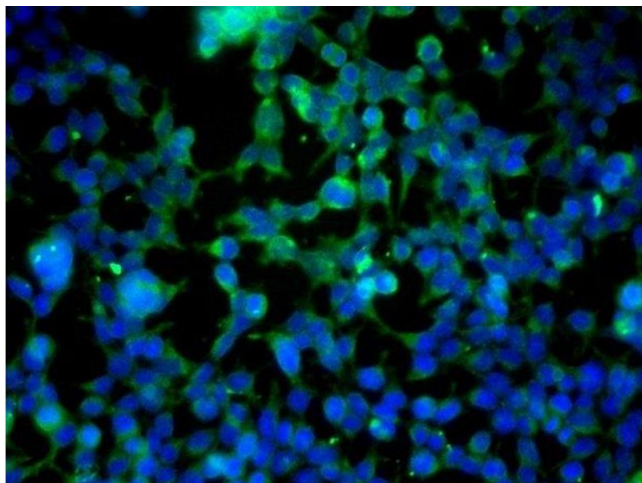
Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human breast carcinoma labeled with Anti-CD144/VECD/VE Cadherin Polyclonal Antibody, Unconjugated (ABIN729343) at 1:200, followed by conjugation to the secondary antibody and DAB staining



Western Blotting

**Image 2.** Mouse heart lysates probed with VE Cadherin Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 60 minutes at 37°C.



#### Immunofluorescence (Cultured Cells)

**Image 3.** Image provided by One World Lab validation program. HEK293 cells probed with Rabbit Anti-VE Cadherin Polyclonal Antibody at 1:100 for 60 minutes at room temperature followed by Goat Anti-Rabbit IgG (H+L) Alexa Fluor 488 Conjugated secondary antibody.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN729343.