

## Rabbit anti-Human, Mouse CDH5 Polyclonal Antibody | anti-CDH5 antibody

CDH5 Antibody

|                               |                       |                                   |                                                                |
|-------------------------------|-----------------------|-----------------------------------|----------------------------------------------------------------|
| CATALOG #<br><b>AAA232747</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|-----------------------------------|----------------------------------------------------------------|

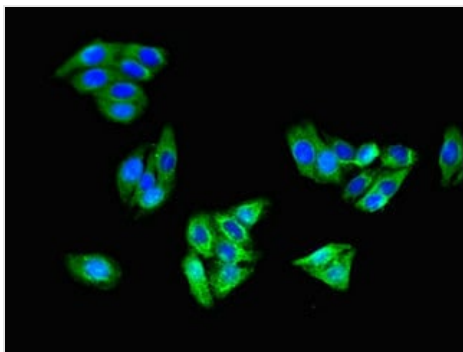
### PRODUCT SYNONYMS

CDH5; Polyclonal Antibody; CDH5 Antibody; Cadherin-5; 7B4 antigen; Vascular endothelial cadherin; VE-cadherin; CD144; anti-CDH5 antibody

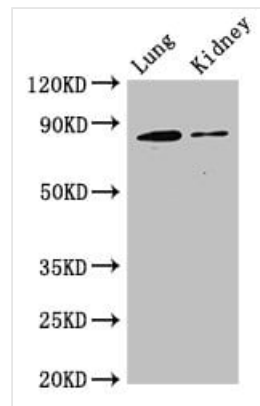
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                         |
| Reactivity                                     | Human, Mouse                                                                                                   |
| Clonality                                      | Polyclonal                                                                                                     |
| Isotype                                        | IgG                                                                                                            |
| Purity/Purification                            | >95%, Protein G purified                                                                                       |
| Form/Format                                    | Liquid                                                                                                         |
| Sequence Length                                | 784                                                                                                            |
| Applicable Applications for anti-CDH5 antibody | IF (Immunofluorescence), WB (Western Blot), ELISA                                                              |
| Immunogen                                      | Recombinant Human Cadherin-5 protein (349-569AA)                                                               |
| Preservative                                   | 0.03% Proclin 300                                                                                              |
| Constituents                                   | 50% Glycerol, 0.01M PBS, PH 7.4                                                                                |
| Conjugation                                    | Non-conjugated                                                                                                 |
| Santa Cruz Alternative                         | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-28644 / sc-31017 / sc-6458             |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### IMAGES


**IF (Immunofluorescence)**

Immunofluorescent analysis of HepG2 cells using AAA232747 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)


**WB (Western Blot)**

Western BlotPositive WB detected in:Mouse lung tissue,Mouse kidney tissueAll lanes: CDH5 antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 88,75 kDaObserved band size: 88 kDa

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CDH5 antibody | 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. |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                          |
|----------------------------------|--------------------------|
| NCBI GI #                        | 166362713                |
| NCBI GeneID                      | 1003                     |
| NCBI Accession #                 | NP_001786.2              |
| NCBI GenBank Nucleotide #        | NM_001795.4              |
| UniProt Accession #              | P33151; Q4VAI5; Q4VAI6   |
| Molecular Weight                 | 74,499 Da                |
| NCBI Official Full Name          | cadherin-5 preproprotein |
| NCBI Official Synonym Full Names | cadherin 5               |
| NCBI Official Symbol             | CDH5                     |
| NCBI Official Synonym Symbols    | 7B4; CD144               |
| NCBI Protein Information         | cadherin-5               |
| UniProt Protein Name             | Cadherin-5               |
| UniProt Gene Name                | CDH5                     |
| UniProt Synonym Gene Names       | VE-cadherin              |
| UniProt Entry Name               | CADH5_HUMAN              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cdh5-antibody-immunofluorescence-western-blot-elisa/232747>