

Datasheet for ABIN2788335  
**anti-Cadherin 5 antibody (Middle Region)**



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1 Image

## Overview

|                      |                                                        |
|----------------------|--------------------------------------------------------|
| Quantity:            | 100 µL                                                 |
| Target:              | Cadherin 5 (CDH5)                                      |
| Binding Specificity: | Middle Region                                          |
| Reactivity:          | Human, Mouse, Rat, Cow, Horse, Dog, Guinea Pig, Rabbit |
| Host:                | Rabbit                                                 |
| Clonality:           | Polyclonal                                             |
| Conjugate:           | This Cadherin 5 antibody is un-conjugated              |
| Application:         | Western Blotting (WB)                                  |

## Product Details

|                       |                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------|
| Sequence:             | SLFVEDPDEP QNRMTKYSIL RGDYQDAFTI ETNPAHNEGI IKPMKPLDYE                                             |
| Predicted Reactivity: | Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100% |
| Characteristics:      | This is a rabbit polyclonal antibody against CDH5. It was validated on Western Blot.               |
| Purification:         | Affinity Purified                                                                                  |

## Target Details

|                   |                                                                                                  |
|-------------------|--------------------------------------------------------------------------------------------------|
| Target:           | Cadherin 5 (CDH5)                                                                                |
| Alternative Name: | CDH5 ( <a href="#">CDH5 Products</a> )                                                           |
| Background:       | This gene is a classical cadherin from the cadherin superfamily and is located in a six-cadherin |

## Target Details

cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Functioning as a classic cadherin by imparting to cells the ability to adhere in a homophilic manner, the protein may play an important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions.

Alias Symbols: 7B4, CD144, FLJ17376

Protein Interaction Partner: CTNNB1, MYC, P2RX4, P2RX6, PARD6A, SMG1, PKP4, F2RL2, CTNND1, SHC1, VIM, KDR, SRC, EPHA2, PTPRB, PTPN11, JUP, FGA, DSP, CSK, CTNNA1, FGB, Protein Size: 784

|                   |                                                                                                                  |
|-------------------|------------------------------------------------------------------------------------------------------------------|
| Molecular Weight: | 83 kDa                                                                                                           |
| Gene ID:          | 1003                                                                                                             |
| NCBI Accession:   | <a href="#">NM_001795</a> , <a href="#">NP_001786</a>                                                            |
| UniProt:          | <a href="#">P33151</a>                                                                                           |
| Pathways:         | <a href="#">Cell-Cell Junction Organization</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> |

## Application Details

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment:           | Antigen size: 784 AA                                                               |
| Restrictions:      | For Research Use only                                                              |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | Lot specific                                                                                                           |
| Buffer:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.                    |
| 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 Advice:   | Avoid repeated freeze-thaw cycles.                                                                                     |

Handling

|                  |                                                                                                                                         |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Storage:         | -20 °C                                                                                                                                  |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images

90 kDa\_\_

65 kDa\_\_

40 kDa\_\_

29 kDa\_\_

22 kDa\_\_



Rabbit Anti-CDH5 Antibody

Catalog Number: ARP60108

Lot Number: QC32476

Lane: Fetal Heart Lysate

Antibody Titration: 1.0µg/ml

Gel Concentration: 12%

Western Blotting

Image 1.