

## Datasheet for ABIN2788335

# anti-Cadherin 5 antibody (Middle Region)





# 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 (CDH5 Products)
Background:	This gene is a classical cadherin from the cadherin superfamily and is located in a six-cadherin

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:	NM_001795, NP_001786
UniProt:	P33151
Pathways:	Cell-Cell Junction Organization, Signaling Events mediated by VEGFR1 and VEGFR2

#### **Application Details**

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

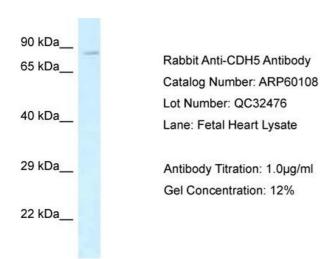
#### Handling

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.
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#### **Images**



## **Western Blotting**

Image 1.