

Datasheet for ABIN7146232  
**anti-Cadherin 5 antibody (AA 349-569)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	Cadherin 5 (CDH5)
Binding Specificity:	AA 349-569
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cadherin 5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Cadherin-5 protein (349-569AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

## Target Details

Target:	Cadherin 5 (CDH5)
Alternative Name:	CDH5 ( <a href="#">CDH5 Products</a> )
Background:	Background: Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells, cadherins may thus

## Target Details

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.

Aliases: 7B 4 antibody, 7B4 antibody, 7B4 antigen antibody, CADH5\_HUMAN antibody, Cadherin 5 antibody, Cadherin 5 type 2 antibody, Cadherin 5, type 2 (vascular endothelium) antibody, Cadherin 5, type 2, VE cadherin (vascular epithelium) antibody, cadherin, vascular endothelial antibody, cadherin, vascular endothelial, 1 antibody, Cadherin-5 antibody, Cadherin5 antibody, CD 144 antibody, CD144 antibody, CD144 antigen antibody, CDH 5 antibody, CDH5 antibody, CDH5 protein antibody, Endothelial specific cadherin antibody, FLJ17376 antibody, OTTHUMP00000174777 antibody, Vascular endothelial cadherin antibody, Vascular epithelium cadherin antibody, VE Cad antibody, VE-cadherin antibody, VEC antibody

UniProt: [P33151](#)

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

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

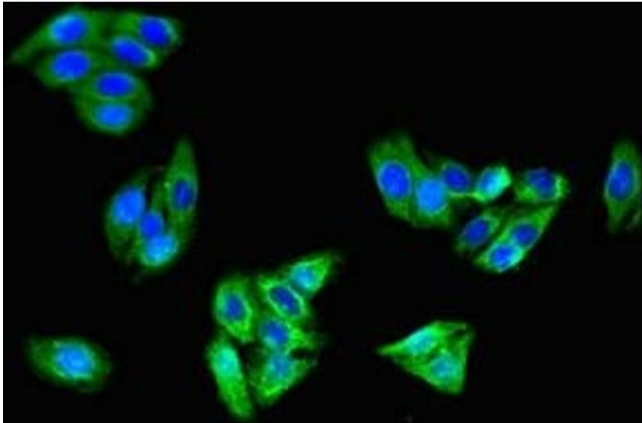
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

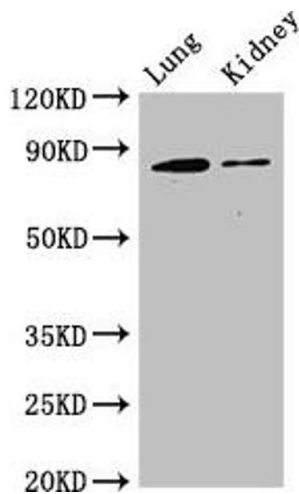
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### Immunofluorescence

**Image 1.** Immunofluorescent analysis of HepG2 cells using ABIN7146232 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Mouse lung tissue, Mouse kidney tissue All lanes: CDH5 antibody at 3  $\mu$ g/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 88, 75 kDa Observed band size: 88 kDa