

# VE Cadherin Rabbit mAb

Catalog No.: A22659 **Recombinant**

## Basic Information

### Observed MW

90-140kDa

### Calculated MW

88kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Human

### CloneNo number

ARC58056

## Background

This gene encodes a classical cadherin of the cadherin superfamily. The encoded preproprotein is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion molecule is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Functioning as a classical cadherin by imparting to cells the ability to adhere in a homophilic manner, this protein plays a role in endothelial adherens junction assembly and maintenance. This gene is located in a gene cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:5000
<b>IHC-P</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

1003

### Swiss Prot

P33151

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 48-593 of human VE Cadherin (NP\_001786.2)

### Synonyms

7B4; CD144; VE Cadherin

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

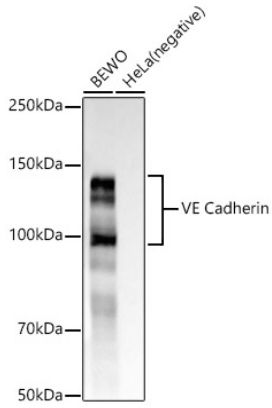
Affinity purification

### Storage

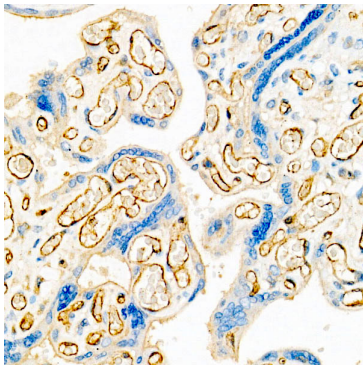
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

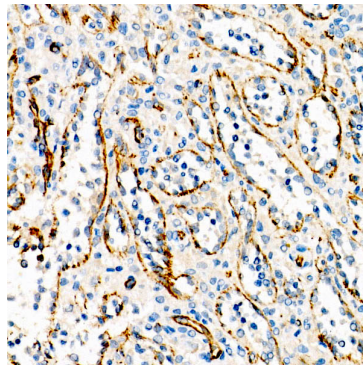
## Validation Data



Western blot analysis of various lysates, using VE Cadherin Rabbit mAb (A22659) at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded human placenta using VE Cadherin Rabbit mAb (A22659) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human spleen using VE Cadherin Rabbit mAb (A22659) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.