

**CDH1 (aa662-675) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3666a

**Specification**

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**CDH1 (aa662-675) Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">P12830</a>
Other Accession	<a href="#">NP_004351.1</a> , <a href="#">999</a> , <a href="#">83502 (rat)</a>
Reactivity	Human, Mouse, Rat, Pig
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	97456

**CDH1 (aa662-675) Antibody (internal region) - Additional Information**

Gene ID 999

**Other Names**

Cadherin-1, CAM 120/80, Epithelial cadherin, E-cadherin, Uvomorulin, CD324, E-Cad/CTF1, E-Cad/CTF2, E-Cad/CTF3, CDH1, CDHE, UVO

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CDH1 (aa662-675) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**CDH1 (aa662-675) Antibody (internal region) - Protein Information**

Name CDH1 ([HGNC:1748](#))

**Function**

Cadherins are calcium-dependent cell adhesion proteins (PubMed:[11976333](http://www.uniprot.org/citations/11976333)). They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. CDH1 is involved in mechanisms regulating cell-cell adhesions, mobility and proliferation of epithelial cells (PubMed:[11976333](http://www.uniprot.org/citations/11976333)). Has a potent

invasive suppressor role. It is a ligand for integrin alpha-E/beta-7.

#### Cellular Location

Cell junction, adherens junction. Cell membrane; Single-pass type I membrane protein. Endosome. Golgi apparatus, trans-Golgi network. Cytoplasm {ECO:0000250|UniProtKB:P09803}. Cell junction {ECO:0000250|UniProtKB:Q90Z37}. Note=Colocalizes with DLGAP5 at sites of cell-cell contact in intestinal epithelial cells. Anchored to actin microfilaments through association with alpha-, beta- and gamma- catenin. Sequential proteolysis induced by apoptosis or calcium influx, results in translocation from sites of cell-cell contact to the cytoplasm. Colocalizes with RAB11A endosomes during its transport from the Golgi apparatus to the plasma membrane

#### Tissue Location

Expressed in granuloma macrophages (at protein level) (PubMed:27760340). Expressed in the liver (PubMed:3263290)

### CDH1 (aa662-675) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### CDH1 (aa662-675) Antibody (internal region) - Images



AF3666a (0.5 µg/ml) staining of Human Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### CDH1 (aa662-675) Antibody (internal region) - Background

The immunizing peptide represents part of the extracellular domain.

**CDH1 (aa662-675) Antibody (internal region) - References**

E-cadherin expression on human carcinoma cell affects trastuzumab-mediated antibody-dependent cellular cytotoxicity through killer cell lectin-like receptor G1 on natural killer cells. Yamauchi C, Fujii S, Kimura T, Kuwata T, Wada N, Mukai H, Matsumoto N, Fukayama M, Ochiai A. Int J Cancer. 2011 May 1;128(9):2125-37 PMID: 21387286