

**E Cadherin Antibody**  
Rabbit mAb  
Catalog # AP90064**Specification**

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**E Cadherin Antibody - Product Information**

|  |                        |
|--|------------------------|
| Application  | WB, IHC, FC, ICC       |
| Primary Accession  | <a href="#">P12830</a> |
| Clonality  | Monoclonal             |
| <b>Other Names</b>   |                        |
| Arc1;Cadherin 1;CAM 120/80;CD324;CDHE;E-Cad/CTF3;ECAD;Epithelial cadherin ;LCAM;Uvomorulin;CDH1; |                        |
| Isotype  | Rabbit IgG             |
| Host   | Rabbit                 |
| Calculated MW  | 97456 Da               |

**E Cadherin Antibody - Additional Information**

|                              |   |
|------------------------------|---|
| Purification                 | <b>Affinity-chromatography</b>  |
| Immunogen                    | <b>A synthesized peptide derived from human E Cadherin</b>  |
| Description                  | <b>CDH1 a single-pass type I membrane protein, and calcium dependent cell adhesion proteins. It is a ligand for integrin alpha-E/beta-7, and it colocalizes with DLG7 at sites of cell-cell contact in intestinal epithelial cells.</b> |
| Storage Condition and Buffer | <b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>  |

**E Cadherin Antibody - Protein Information****Name** CDH1 ([HGNC:1748](#))**Function**

Cadherins are calcium-dependent cell adhesion proteins (PubMed:<a href="http://www.uniprot.org/citations/11976333" target="\_blank">11976333</a>). 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:<a href="http://www.uniprot.org/citations/11976333" target="\_blank">11976333</a>). 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, desmosome. 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. Recruited to desmosomes at the initial assembly phase and also accumulates progressively at mature desmosome cell-cell junctions (PubMed:25208567)

**Tissue Location**

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

**E Cadherin Antibody - 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](#)

**E Cadherin Antibody - Images**