

**CDH1 / E Cadherin Antibody**  
**Goat Polyclonal Antibody**  
**Catalog # ALS17189****Specification**

---

**CDH1 / E Cadherin Antibody - Product Information**

Application	IHC-P, WB
Primary Accession	<a href="#">P12830</a>
Other Accession	<a href="#">999</a>
Reactivity	Human, Mouse, Rat, Monkey, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	97456

**CDH1 / E Cadherin Antibody - Additional Information****Gene ID** [999](#)**Other Names**

CDH1, CD324, CDHE, Cell-CAM 120/80, E Cadherin, E-Cadherin, ECAD, Epithelial cadherin, Arc-1, UVO, Cadherin-1, CAM 120/80, CD324 antigen, LCAM, Uvomorulin

**Target/Specificity**

Detects endogenous levels of total E-cadherin protein by Western blot in the whole cell lysates (e.g. HeLa and COS-7). This Ab does not recognize CDH2.

**Reconstitution & Storage**

PBS, 20% glycerol, 0.05% sodium azide. Store at 4°C for one month or -20°C for longer. Avoid freeze/thaw cycles.

**Precautions**

CDH1 / E Cadherin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**CDH1 / E Cadherin Antibody - 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)

#### Volume

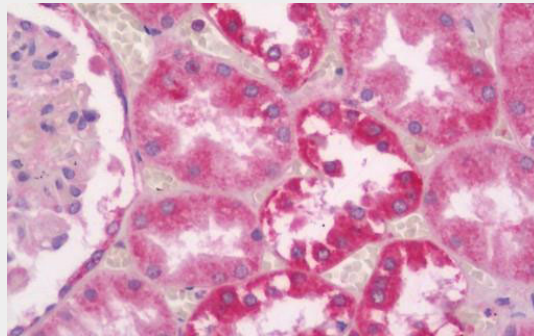
100  $\mu$ l

### CDH1 / E Cadherin Antibody - Protocols

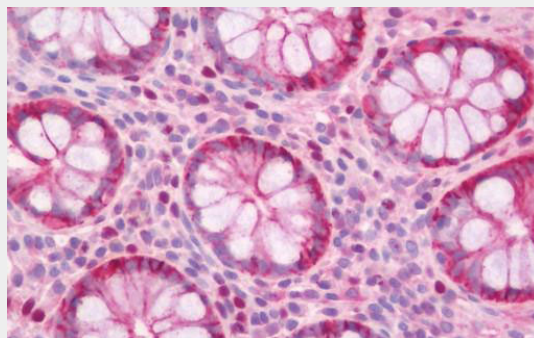
Provided below are standard protocols that you may find useful for product applications.

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

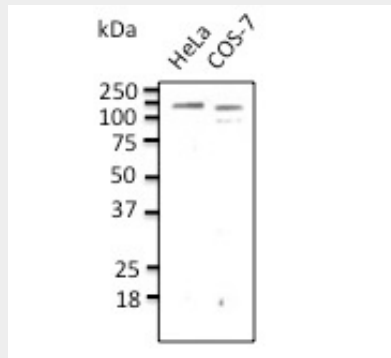
### CDH1 / E Cadherin Antibody - Images



Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Colon: Formalin-Fixed, Paraffin-Embedded (FFPE)



Endogenous CDH1 detected with Anti-CDH1 Ab at 1:500 dilution. Lysate at 100ug per lane.

**CDH1 / E Cadherin Antibody - Background**

Cadherins are calcium-dependent cell adhesion proteins. 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. Has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7.

**CDH1 / E Cadherin Antibody - References**

Bussemakers M.J.G., et al. Mol. Biol. Rep. 17:123-128(1993).  
Oda T., et al. Proc. Natl. Acad. Sci. U.S.A. 91:1858-1862(1994).  
Rimm D.L., et al. Biochem. Biophys. Res. Commun. 200:1754-1761(1994).  
Ito K., et al. Oncogene 18:7080-7090(1999).  
Shibamoto S., et al. Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.