

**CDH1 / E Cadherin Antibody (clone 7H12)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS16671****Specification**

---

**CDH1 / E Cadherin Antibody (clone 7H12) - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">P12830</a>
Other Accession	<a href="#">999</a>
Reactivity	Human, Mouse, Monkey
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	97456

**CDH1 / E Cadherin Antibody (clone 7H12) - 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**

Human E Cadherin

**Reconstitution & Storage**

Ascites, 0.03% sodium azide. Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

**Precautions**

CDH1 / E Cadherin Antibody (clone 7H12) is for research use only and not for use in diagnostic or therapeutic procedures.

**CDH1 / E Cadherin Antibody (clone 7H12) - 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)

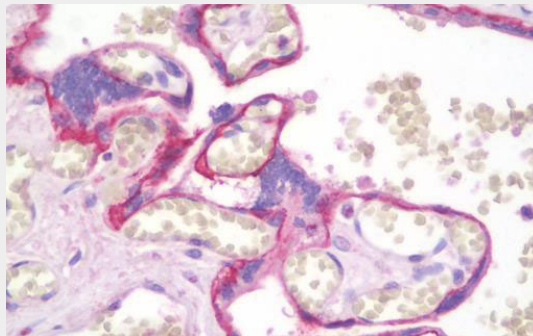
**Volume**

50 µl

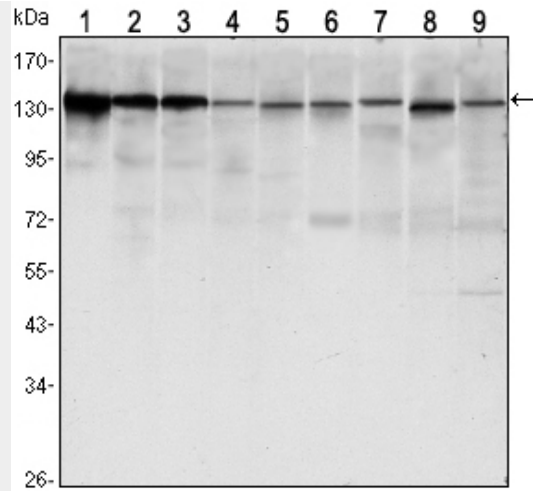
**CDH1 / E Cadherin Antibody (clone 7H12) - Protocols**

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 (clone 7H12) - Images**

Anti-CDH1 / E Cadherin antibody IHC staining of human placenta.



Western blot using CDH1 mouse monoclonal antibody against LNCAP (1),A431 (2), DU145 (3), PC-3...

#### **CDH1 / E Cadherin Antibody (clone 7H12) - 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 (clone 7H12) - 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.