

E-Cadherin
Mouse Monoclonal Antibody (Mab)
Catalog # APA073**Specification**

E-Cadherin - Product Information

Application	IHC
Primary Accession	P12830
Host	Mouse
Clonality	Monoclonal
Calculated MW	97456 Da

E-Cadherin - Additional Information

Gene ID	999
Gene Name	CDH1

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

Dilution

IHC~~1:100~500

Storage

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

Precautions

E-Cadherin is for research use only and not for use in diagnostic or therapeutic procedures.

E-Cadherin - Protein Information

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

Synonyms

CDHE, UVO

Function

Cadherins are calcium-dependent cell adhesion proteins (PubMed:[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](#)). 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. 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 Non-neural epithelial tissues.

Tissue Location

E-Cadherin - 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 - Images