

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

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|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 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 | |
| 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

| | |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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