

## E-Cadherin

Mouse Monoclonal antibody(Mab) Catalog # AD80073

## **Specification**

# **E-Cadherin - Product info**

Application Primary Accession Reactivity Host Clonality Calculated MW IHC-P P12830 Human Mouse Monoclonal 97456

## **E-Cadherin - Additional info**

Gene ID999Gene NameCDH1Other NamesCdherin-1, CAM 120/80, Epithelial cadherin, E-cadherin, Uvomorulin, CD324, E-Cad/CTF1, E-Cad/CTF2, E-Cad/CTF3, CDH1, CDHE, UVO

**Dilution** IHC-P~~Ready-to-use

Storage Maintain refrigerated at 2-8°C

Precautions

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

#### **E-Cadherin - Protein Information**

Name CDH1 (HGNC:1748)

Synonyms Function	CDHE, UVO Cadherins are calcium-dependent cell adhesion proteins (PubMed: <u>11976333</u> ). 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: <u>11976333</u> ). Has a potent invasive suppressor role. It is a ligand for integrin
Cellular Location	alpha-E/beta-7. Cell 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.

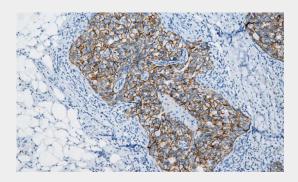
Tissue Location

## E-Cadherin - Protocols

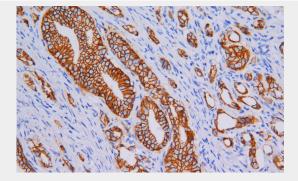
Provided below are standard protocols that you may find useful for product applications.

#### <u>Western Blot</u>

- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>
- E-Cadherin Images



Breast duct carcinoma



Immunohistochemical analysis of paraffin-embedded prostatic cancer tissue using AD80073 performed on the Abcarta® FAIP-30 Fully automated IHC platform.Tissue was fixed with



formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH6. 0).Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSeeTM Detection Systems[Abcepta:AR005] was used as the secondary antibody.