

**Anti-E-Cadherin Antibody**  
**Mouse Anti Human Monoclonal Antibody**  
**Catalog # AP53448****Specification**

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**Anti-E-Cadherin Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P12830</a>
Other Accession	<a href="#">NM_004360</a>
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Purification	Affinity purified
Calculated MW	135 KDa

**Anti-E-Cadherin Antibody - Additional Information****Gene ID** 999**Other Names**

Arc 1; CADH1\_HUMAN; Cadherin 1; cadherin 1 type 1 E-cadherin; Cadherin1; CAM 120/80; CD 324; CD324; CD324 antigen; cdh1; CDHE; E-Cad/CTF3; E-cadherin; ECAD; Epithelial cadherin; epithelial calcium dependant adhesion protein; LCAM; Liver cell adhesion molecule; UVO; Uvomorulin.

**Dilution**

WB~~1:1000

**Format**

Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Anti-E-Cadherin Antibody - Protein Information****Name** CDH1**Synonyms** CDHE, UVO**Function**

Cadherins are calcium-dependent cell adhesion proteins (PubMed:<a href="http://www.uniprot.org/citations/11976333" target="\_blank">11976333</a>). 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:<a href="http://www.uniprot.org/citations/11976333" target="\_blank">11976333</a>). 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

#### Tissue Location

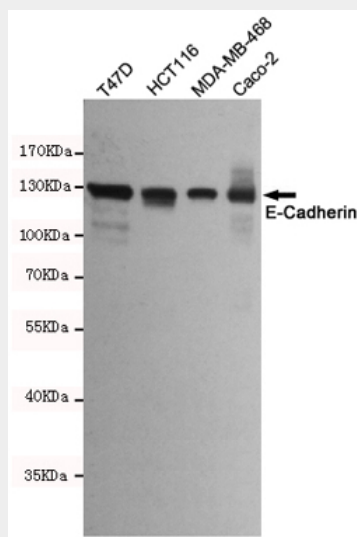
Non-neural epithelial tissues.

### Anti-E-Cadherin Antibody - Protocols

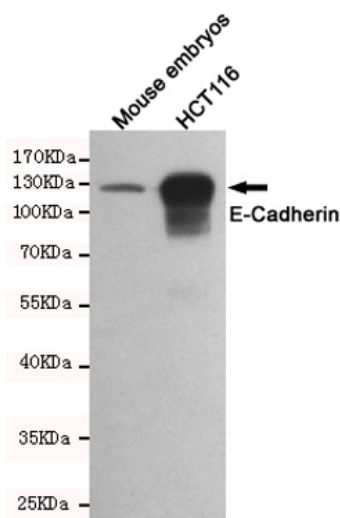
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-E-Cadherin Antibody - Images



Western blot detection of E-Cadherin in T47D, HCT116, MDA-MB-468 and Caco-2 cell lysates using E-Cadherin mouse mAb (dilution 1:2000). Predicted band size: 135kDa. Observed band size: 135kDa.



Western blot detection of E-Cadherin in Mouse embryos and HCT116 cell lysates using E-Cadherin mouse mAb(dilution 1:1000).Predicted band size:135kDa.Observed band size:135kDa.

#### **Anti-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 regul