

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

Anti-E-Cadherin Antibody - Product Information

Application	WB
Primary Accession	P12830
Other Accession	NM_004360
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 ([HGNC:1748](#))**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. 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

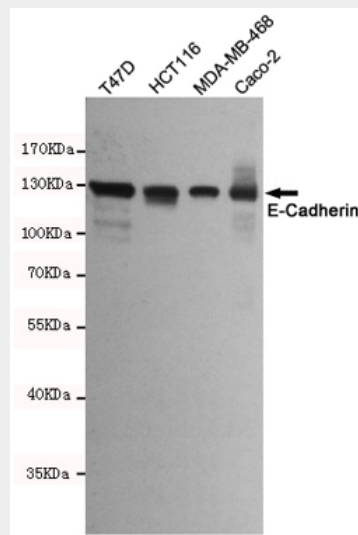
Expressed in granuloma macrophages (at protein level) (PubMed:27760340). Expressed in the liver (PubMed:3263290)

Anti-E-Cadherin Antibody - Protocols

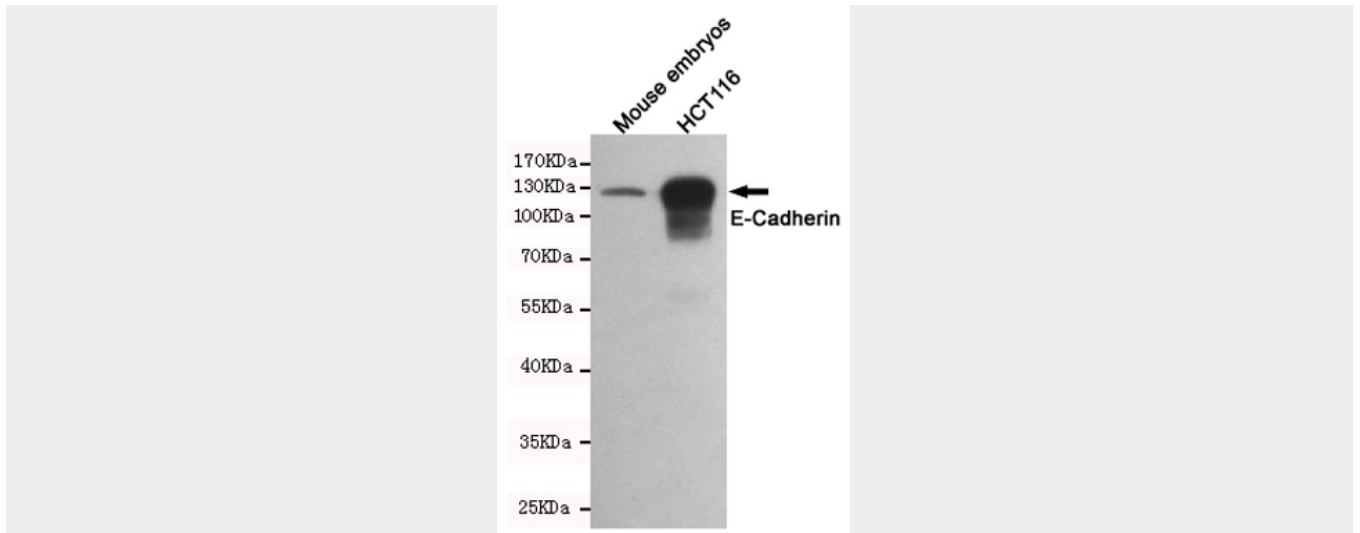
Provided below are standard protocols that you may find useful for product applications.

- [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