

E Cadherin Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51065

Specification

E Cadherin Antibody - Product Information

Application	WB
Primary Accession	P12830
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	135 KDa
Antigen Region	821 - 880

E Cadherin Antibody - Additional Information

Gene ID 999

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

Target/Specificity

KLH conjugated synthetic peptide derived from human E Cadherin

Dilution

WB~~ 1:4000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

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

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

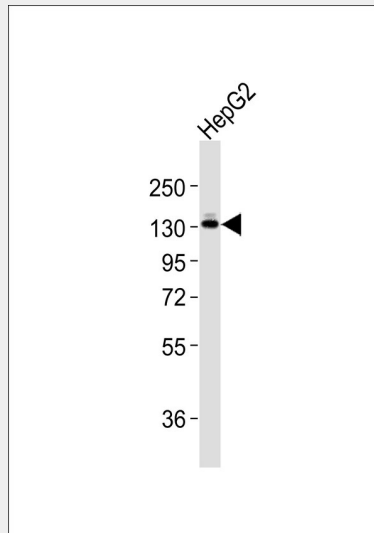
Expressed in granuloma macrophages (at protein level) (PubMed:27760340). Expressed in the liver (PubMed:3263290)

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](#)

E Cadherin Antibody - Images



Anti-E Cadherin Antibody at 1:4000 dilution + HepG2 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 97 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

E Cadherin Antibody - Background

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integrin alpha-E/beta-7.

E Cadherin Antibody - References

- Bussemakers M.J.G.,et al.Mol. Biol. Rep. 17:123-128(1993).
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Rimm D.L.,et al.Biochem. Biophys. Res. Commun. 200:1754-1761(1994).
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