

# Cdh1 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14376

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P09803</a>
<b>Other Accession</b>	<a href="#">NM_009864</a> , <a href="#">NP_033994</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rabbit, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	98256

## Additional Information

<b>Gene ID</b>	12550
<b>Alias Symbol</b> <b>Other Names</b>	AA960649, Ecad, L-CAM, MGC107495, UVO, Um Cadherin-1, ARC-1, Epithelial cadherin, E-cadherin, Uvomorulin, CD324, E-Cad/CTF1, E-Cad/CTF2, E-Cad/CTF3, Cdh1
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-Cdh1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	Cdh1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	Cdh1
<b>Function</b>	Cadherins are calcium-dependent cell adhesion proteins (PubMed: <a href="#">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="#">11976333</a> ). Promotes organization of radial actin fiber structure and cellular response to contractile forces, via its interaction with AMOTL2 which facilitates anchoring of radial actin fibers to CDH1 junction complexes at the cell membrane (By similarity). Plays a role in the early stages of desmosome cell-cell junction formation via facilitating the recruitment of DSG2 and DSP to

desmosome plaques (By similarity). Has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7 (By similarity).

## Cellular Location

Cell junction, adherens junction. Cell membrane; Single-pass type I membrane protein Endosome {ECO:0000250|UniProtKB:P12830}. Golgi apparatus, trans-Golgi network {ECO:0000250|UniProtKB:P12830}. Cytoplasm. Cell junction, desmosome {ECO:0000250|UniProtKB:P12830}. 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 (By similarity). Recruited to desmosomes at the initial assembly phase and also accumulates progressively at mature desmosome cell-cell junctions (By similarity). Localizes to cell-cell contacts as keratinocyte differentiation progresses (PubMed:27375112) {ECO:0000250, ECO:0000250|UniProtKB:P12830, ECO:0000269|PubMed:27375112}

## Tissue Location

Expressed in inner and outer pillar cells of the organ of Corti (at protein level) (PubMed:30639848). Expressed in granuloma macrophages (at protein level) (PubMed:27760340). Expressed in the epidermal keratinocytes of the skin from birth (at protein level) (PubMed:18079750, PubMed:27375112). Expressed in non-neural epithelial tissues.

## References

Nagafuchi A.,et al.Nature 329:341-343(1987).  
Ringwald M.,et al.Nucleic Acids Res. 19:6533-6539(1991).  
Ringwald M.,et al.EMBO J. 6:3647-3653(1987).  
Behrens J.,et al.Proc. Natl. Acad. Sci. U.S.A. 88:11495-11499(1991).  
Butz S.,et al.FEBS Lett. 355:195-200(1994).

## Images



WB Suggested Anti-Cdh1 Antibody Titration: 1.0 µg/ml  
Positive Control: Mouse Pancreas

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.