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Cdh1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14376

Product Information

Application	WB
Primary Accession	P09803
Other Accession	NM_009864, NP_033994
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rabbit, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	98256

Additional Information

Gene ID	12550
Alias Symbol	AA960649, Ecad, L-CAM, MGC107495, UVO, Um
Other Names	Cadherin-1, ARC-1, Epithelial cadherin, E-cadherin, Uvomorulin, CD324, E-Cad/CTF1, E-Cad/CTF2, E-Cad/CTF3, Cdh1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	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.
Precautions	Cdh1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Cdh1
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). 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, PubMed:30660666, PubMed:34905516). 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'.