

CDH1 (aa662-675) Antibody (internal region)

Peptide-affinity purified goat antibody Catalog # AF3666a

Specification

CDH1 (aa662-675) Antibody (internal region) - Product Information

Application WB
Primary Accession P12830

Other Accession
Reactivity
NP_004351.1, 999, 83502 (rat)
Human, Mouse, Rat, Pig

Predicted Dog
Host Goat
Clonality Polyclonal
Concentration 0.5 mg/ml
Isotype IgG
Calculated MW 97456

CDH1 (aa662-675) Antibody (internal region) - 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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CDH1 (aa662-675) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

CDH1 (aa662-675) Antibody (internal region) - 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

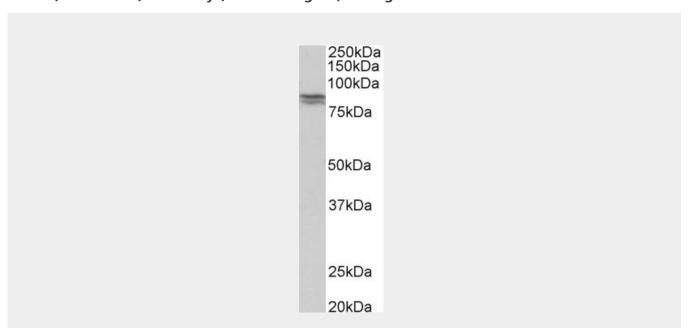
Expressed in granuloma macrophages (at protein level) (PubMed:27760340). Expressed in the liver (PubMed:3263290)

CDH1 (aa662-675) Antibody (internal region) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

CDH1 (aa662-675) Antibody (internal region) - Images



AF3666a (0.5 μ g/ml) staining of Human Kidney lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

CDH1 (aa662-675) Antibody (internal region) - Background

The immunizing peptide represents part of the extracellular domain.





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CDH1 (aa662-675) Antibody (internal region) - References

E-cadherin expression on human carcinoma cell affects trastuzumab-mediated antibody-dependent cellular cytotoxicity through killer cell lectin-like receptor G1 on natural killer cells. Yamauchi C, Fujii S, Kimura T, Kuwata T, Wada N, Mukai H, Matsumoto N, Fukayama M, Ochiai A. Int J Cancer. 2011 May 1;128(9):2125-37 PMID: 21387286