

Datasheet for ABIN3043808
anti-E-cadherin antibody (AA 286-703)

3 Images

30 Publications

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	E-cadherin (CDH1)
Binding Specificity:	AA 286-703
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Cadherin-1(CDH1) detection. Tested with WB, IHC-P, IHC-F, ELISA in Human.
Immunogen:	E.coli-derived human E Cadherin recombinant protein (Position: A286-A703). Human E Cadherin shares 79.7% and 80.9% amino acid (aa) sequence identity with mouse and rat E Cadherin, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Cadherin-1(CDH1) detection. Tested with WB, IHC-P, IHC-F, ELISA in Human. Gene Name: cadherin 1, type 1, E-cadherin (epithelial) Protein Name: Cadherin-1

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: E-cadherin (CDH1)

Alternative Name: CDH1 ([CDH1 Products](#))

Background: CDH1 (Cadherin 1), also known as ECAD or UVO, is a protein that in humans is encoded by the CDH1 gene. Cadherin-1 is a classical member of the cadherin superfamily. By Southern analysis of DNA from a panel of mouse-human somatic cell hybrids, Mansouri et al. (1987, 1988) assigned the UVO gene to 16q (16p11-qter). Frebourg et al. (2006) found that in human embryos CDH1 is highly expressed at 4 and 5 weeks in the frontonasal prominence and at 6 weeks in the lateral and medial nasal prominences, and is therefore expressed during critical stages of lip and palate development. CDH1 is involved in mechanisms regulating cell-cell adhesions, mobility and proliferation of epithelial cells. Has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7.

Synonyms: Arc 1 antibody|CADH1_HUMAN antibody|Cadherin 1 antibody|cadherin 1 type 1 E-cadherin antibody|Cadherin1 antibody|CAM 120/80 antibody|CD 234 antibody|CD 324 antibody|CD324 antibody|CD324 antigen antibody|CDH1 antibody|CDHE antibody|E-Cad/CTF3 antibody|E-cadherin antibody|ECAD antibody|Epithelial cadherin antibody|epithelial calcium dependant adhesion protein antibody|LCAM antibody|Liver cell adhesion molecule antibody|UVO antibody| Uvomorulin antibody

Gene ID: 999

UniProt: [P12830](#)

Pathways: [WNT Signaling](#), [Sensory Perception of Sound](#), [Cell-Cell Junction Organization](#), [Tube Formation](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
IHC-F: Concentration: 0.5-1 µg/mL, Tested Species: Human
ELISA: Concentration: 0.1-0.5 µg/mL, Tested Species: Human

Application Details

Notes: Tested Species: Species with positive results. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

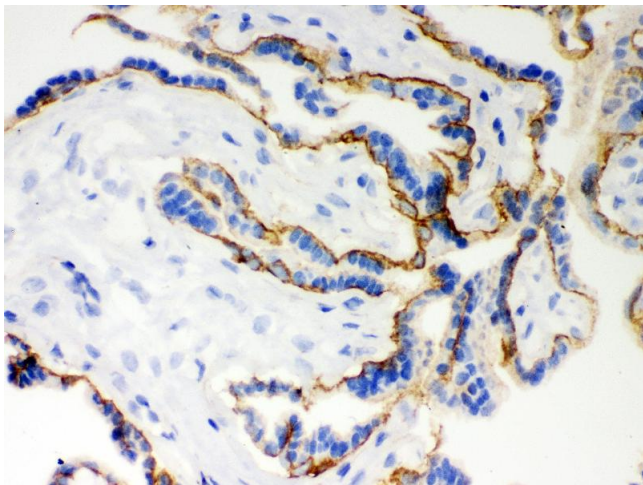
Publications

Product cited in: Lang, Schulte, Goddard, Hedrick, Schulte, Wei, Schmiedt: "Transplantation of mouse embryonic stem cells into the cochlea of an auditory-neuropathy animal model: effects of timing after injury." in: **Journal of the Association for Research in Otolaryngology : JARO**, Vol. 9, Issue 2, pp. 225-40, (2008) ([PubMed](#)).

Lang, Ebihara, Schmiedt, Minamiguchi, Zhou, Smythe, Liu, Ogawa, Schulte: "Contribution of bone marrow hematopoietic stem cells to adult mouse inner ear: mesenchymal cells and fibrocytes." in: **The Journal of comparative neurology**, Vol. 496, Issue 2, pp. 187-201, (2006) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

Validation report #300029 for Immunohistochemistry (IHC)



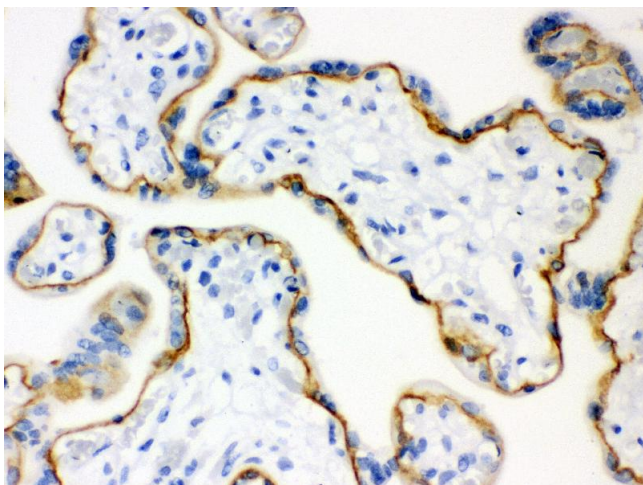
Immunohistochemistry (Paraffin-embedded Sections)

Image 1.



Western Blotting

Image 2. Observed bind size: 140KD



Immunohistochemistry (Paraffin-embedded Sections)

Image 3.