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Datasheet for ABIN1440031  
**anti-E-cadherin antibody**

5 Images

2 Publications

### Overview

Quantity:	400 µg
Target:	E-cadherin (CDH1)
Reactivity:	Human, Mouse, Rat, Pig, Monkey, Chicken, Dog, Rabbit, Cow, Horse, Guinea Pig, Cat, Donkey, Goat, Hamster, Sheep, Avian
Host:	Goat
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

### Product Details

Immunogen:	Purified recombinant peptide derived from within residues 750 to 850 of human CDH1 produced in E. coli.
Isotype:	IgG
Specificity:	Detects endogenous levels of total E-cadherin protein by Western blot in the whole cell lysates (COS-7 and MDCK).
Characteristics:	E-Cadherin
Purification:	epitope affinity purified

### Target Details

Target:	E-cadherin (CDH1)
Alternative Name:	CDH1 ( <a href="#">CDH1 Products</a> )
Background:	CDH1 is a classical member of the cadherin superfamily. This protein is a calcium dependent

## Target Details

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cell-cell adhesion glycoprotein comprised consists of 5 cadherin repeats in the extracellular domain, one trans membrane domain, and a and a highly conserved intracellular domain that binds b-catenin and p120-catenin. CDH1 is involved in mechanisms regulating proliferation, mobility and cell-cell adhesions of epithelial cells. Loss of E-cadherin function or expression has been implicated in cancer metastasis and progression.

Synonyms: ARC-1, CAM 120/80, CD324, CDH1, cdhc-A, CDHE, ECAD, E-Cad E-cadherin, Epithelial cadherin, I-cam, LCAM, P09803, P12830 / Q9R0T4, UVO, Uvomorulin, XBcad, XB-cadherin, XTCAD-1 antibody.

Ensembl identifier: ENSG00000039068

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

## Application Details

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Restrictions: For Research Use only

## Handling

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Concentration: 2 mg/mL

Buffer: Polyclonal antibody supplied as a 200 µL (2 mg/mL) aliquot in PBS, 20 % glycerol and 0.05 % sodium azide

Handling Advice: The antibody solution should be gently mixed before use.

Storage: 4 °C,-20 °C

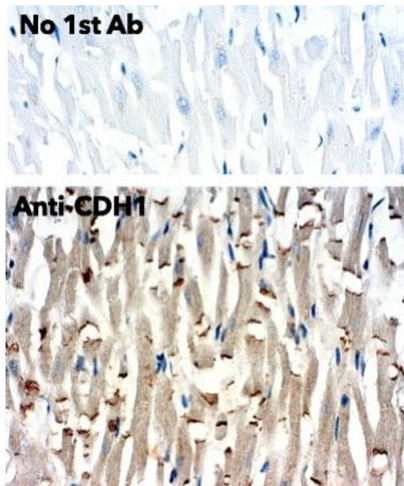
Storage Comment: For continuous use, store at 2-8 deg,C for one-two days. For extended storage, store in -20 deg,C freezer. Working dilution samples should be discarded if not used within 12 hours.

## Publications

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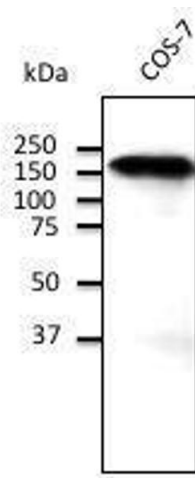
Product cited in: Rapino, Castellucci, Lizzi, Sabatucci, Angelucci, Tortolani, Rossi, DAndrea, Maccarrone: "Modulation of Endocannabinoid-Binding Receptors in Human Neuroblastoma Cells by Tunicamycin." in: **Molecules (Basel, Switzerland)**, Vol. 24, Issue 7, (2019) ([PubMed](#)).

Canciello, Russo, Berardinelli, Bernabò, Muttini, Mattioli, Barboni: "Progesterone prevents epithelial-mesenchymal transition of ovine amniotic epithelial cells and enhances their immunomodulatory properties." in: **Scientific reports**, Vol. 7, Issue 1, pp. 3761, (2018) ([PubMed](#)).



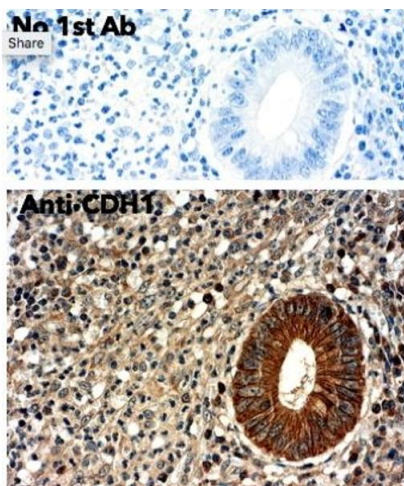
### Immunohistochemistry

Image 1.



### Western Blotting

Image 2. Endogenous CD45 detected With ABO100 at 1/500 dilution, lysate at 100 µg per lane and rabbit polyclonal to goat IgG (HRP) at 2/10,000 dilution,



### Immunohistochemistry

Image 3.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1440031.