

## E-cadherin Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP15349
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human E-cadherin. AA range: 1-50
<b>Mol wt</b>	97456
<b>Species reactivity</b>	Human, Rat, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ICC, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Cadherin-1
<b>Synonyms</b>	Cadherin-1; CDH1; CDHE; UVO; Cadherin-1; CAM 120/80; Epithelial cadherin; E-cadherin; Uvomorulin; CD antigen CD324

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function of this gene is thought to contribute to cancer progression by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. This gene is present in a gene cluster with other members of the cadherin family on chromosome 16.

### Recommended Dilution

WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

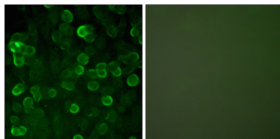
IF: 1: 200 - 1: 1000

ICC: 1: 200 - 1: 1000

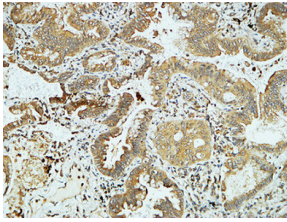
ELISA: 1: 40000

Not yet tested in other applications.

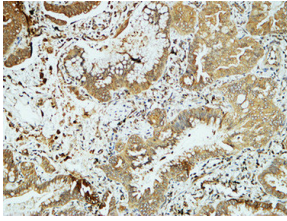
### Images



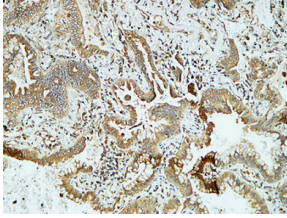
Immunofluorescence analysis of A549 cells, using E-cadherin Antibody. The picture on the right is blocked with the synthesized peptide.



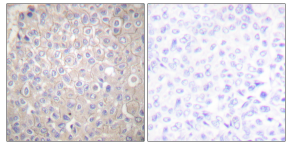
Immunohistochemical analysis of paraffin-embedded Human lung. 1, Antibody was diluted at 1:200(4°C overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



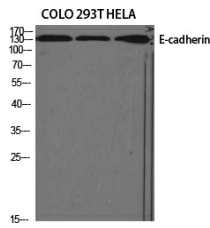
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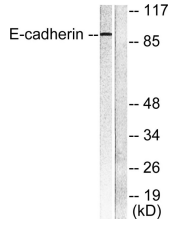
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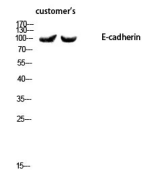
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using AMPK1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using E-cadherin Polyclonal Antibody diluted at 1:1000



Western Blot analysis of 293 cells using E-cadherin Polyclonal Antibody diluted at 1:1000



Western blot analysis of customer's using E-cadherin Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from 293 cells, using E-cadherin Antibody. The lane on the right is blocked with the synthesized peptide.

## Storage

-20°C for 1 year

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