

## Basic Information

<b>Product Name</b>	Anti-E-cadherin/CDH1 Antibody (Clone#EA-20)	
<b>Gene Name</b>	CDH1	
<b>Source</b>	Rabbit	
<b>Clonality</b>	Monoclonal	
<b>Isotype</b>	IgG	
<b>Species Reactivity</b>	human	
<b>Tested Application</b>	WB, IHC, ICC/IF, FCM	
<b>Contents</b>	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
<b>Immunogen</b>	A synthesized peptide derived from human E Cadherin	
<b>Concentration</b>	500 ug/ml	
<b>Purification</b>	Affinity-chromatography	
<b>Observed MW</b>	130 kDa	
<b>Dilution Ratios</b>	Western blot (WB):	1:1000-5000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	Flow Cytometry (FCM):	1:20

## Storage

12 months from date of receipt, -20°C as supplied.

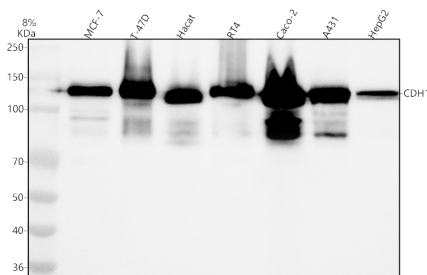
## Background Information

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.

## Reference

Anti-E-cadherin/CDH1 Antibody (Clone#EA-20)被引用在14文献中。

## Selected Validation Data



Western blot analysis of anti-E-cadherin/CDH1 antibody (BM3903). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human MCF-7 whole cell lysates,

Lane 2: human T-47D whole cell lysates,

Lane 3: human Hacat whole cell lysates,

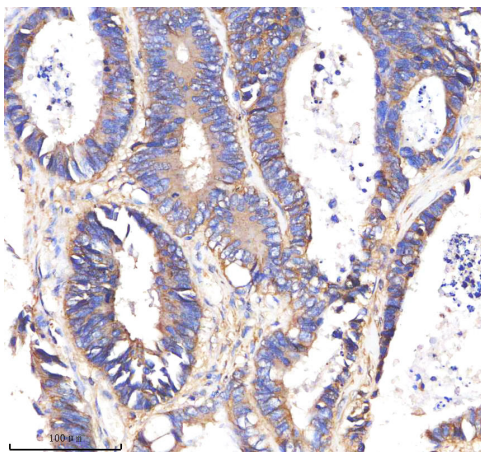
Lane 4: human RT4 whole cell lysates,

Lane 5: human Caco-2 whole cell lysates,

Lane 6: human A431 whole cell lysates,

Lane 7: human HepG2 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-E-cadherin/CDH1 antigen affinity purified monoclonal antibody (BM3903) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for E-cadherin/CDH1 at approximately 130 kDa. The expected band size for E-cadherin/CDH1 is at 90 kDa.



IHC analysis of E-cadherin/CDH1 using anti-E-cadherin/CDH1 antibody (BM3903) .

E-cadherin/CDH1 was detected in a paraffin-embedded section of human colon cancer tissue. The tissue section was incubated with rabbit anti-E-cadherin/CDH1 Antibody (BM3903) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

**Anti-E-cadherin/CDH1 Antibody  
(Clone#EA-20)**

**Catalog Number: BM3903**

Hela

Immunofluorescent analysis using the Antibody.

