

## Recombinant E Cadherin Monoclonal Antibody

catalog number: **E-AB-81424**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

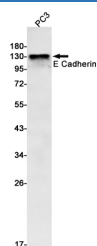
### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	A synthetic peptide of human E Cadherin
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	R07-4F1
<b>Purification</b>	Affinity Purified
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

### Applications

Applications	Recommended Dilution
<b>WB</b>	1:500-1:1000
<b>IHC</b>	1:100-1:200
<b>IF</b>	1:20-1:200

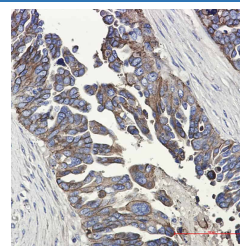
### Data



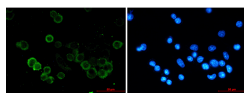
Western blot detection of E Cadherin in PC3 cell lysates using E Cadherin Rabbit mAb(1:1000 diluted). Predicted band size: 98kDa. Observed band size: 80-120(cleavages), 130kDa.

**Observed-MW: 130 kDa**

**Calculated-MW: 98 kDa**



Immunohistochemistry of E Cadherin in paraffin-embedded Human Cholangiocarcinoma using E Cadherin Rabbit mAb at dilution 1:50



Immunofluorescence of E Cadherin (green) in MCF-7 using E Cadherin antibody at dilution 1:20, and DAPI(blue)

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

### For Research Use Only

This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein 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 is thought to contribute to progression in cancer 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. Identified transcript variants arise from mutation at consensus splice sites.

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Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

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