

## E-Cadherin Recombinant antibody

**Cat:** B05003R

**Company:** Haokebio

**Uniprot ID:** P12830

**Organism:** Rabbit

**Species reactivity:** Human Mouse

**Molecular Weight Calculation:** 97 kDa

**Observed Molecular Weight:** 120 kDa

**Applications:** IHC:1:500-1:2000

IHC-Polymer:1:2000-1:8000

IHC-TSA:1:12500-1:10000

IF:1:50-1:100

WB:1:5000-1:50000

### Background:

Cadherins are a family of transmembrane glycoproteins that mediate calcium-dependent cell-cell adhesion and play an important role in the maintenance of normal tissue architecture. E-cadherin (epithelial cadherin), also known as CDH1 (cadherin 1) or CAM 120/80, is a classical member of the cadherin superfamily which also include N-, P-, R-, and B-cadherins. E-cadherin is expressed on the cell surface in most epithelial tissues. The extracellular region of E-cadherin establishes calcium-dependent homophilic trans binding, providing specific interaction with adjacent cells, while the cytoplasmic domain is connected to the actin cytoskeleton through the interaction with p120-,  $\alpha$  -,  $\beta$  -, and  $\gamma$  -catenin (plakoglobin). E-cadherin is important in the maintenance of the epithelial integrity, and is involved in mechanisms regulating proliferation, differentiation, and survival of epithelial cell. E-cadherin may also play a role in tumorigenesis. It is considered to be an invasion suppressor protein and its loss is an indicator of high tumor aggressiveness. E-cadherin is sensitive to trypsin digestion in the absence of  $\text{Ca}^{2+}$ .

### Protein full name:

cadherin 1

### Synonyms:

241282A8, cadherin 1, Cdh1, Ecad, L CAM

### Immunogen:

Recombinant protein

### Isotype:

IgG

### Subcellular location:

Membrane

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100  $\mu\text{g/ml}$  BSA and 50% glycerol.

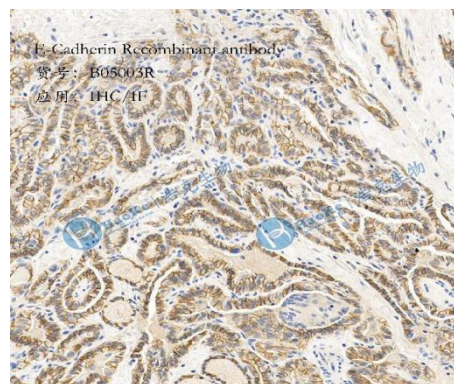
### Storage:

Store at  $-20\text{ }^{\circ}\text{C}$  for one year.

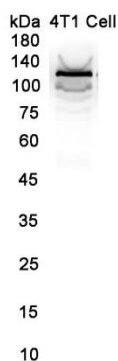
### Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody,  $4^{\circ}\text{C}$  overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

### Images:



Sample: Mouse thyroid, 4% PFA 12-24h



Dilution of 1:10000 incubated at room temperature for 1.5 hours.

#### Source of Reagents:

发表[中文论文]请标注:E-Cadherin(B05003R)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:E-Cadherin(B05003R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.