

E-Cadherin Recombinant antibody

Cat: B05003R

Company: HaoKebio

Uniprot ID: P12830

Applications: IHC:1:2500-1:10000

Organism: Rabbit

IHC-Polymer:1:10000-1:40000

Species reactivity: Human Mouse Rat

IHC-TSA:1:12000-1:50000

IF:1:100-1:500

WB:1:10000-1:100000

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-, α -, β -, and γ -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 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.

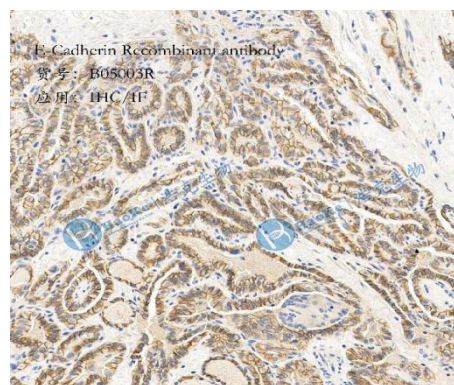
Storage:

Store at -20°C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 6.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



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

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.

