Recombinant E-Cadherin/CDH1/E-cad/CD324 Monoclonal Antibody

catalog number: AN300024P

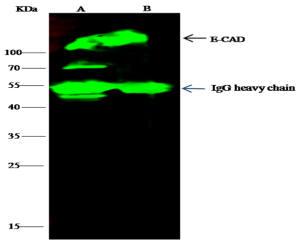
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human E-Cadherin / CDH1 / E-cad / CD324 Protein
Host	Rabbit
Isotype	IgG
Clone	6C9
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:500-1:2000
IP	4-8 μL/mg of lysate

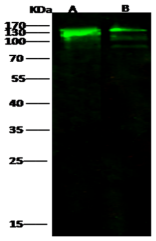
Data



Immunoprecipitation analysis using 4 μL anti-E-cad Monoclonal Antibody and 15 μl of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using E-cad Monoclonal Antibody at a dilution of 1:100. Lane A:0.5 mg MCF-7 Whole Cell Lysate, Lane B:0.5 mg A431 Whole Cell Lysate

Observed-MW:130 kDa

Calculated-MW:97 kDa



Western Blot with E-Cadherin / CDH1 / E-cad / CD324 Monoclonal Antibody at dilution of 1:500. Lane A: MCF7 Whole Cell Lysate, Lane B: A431 Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:130 kDa

Calculated-MW:97 kDa

Preparation & Storage

Storage	This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

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Epithelial (E) - Cadherin (ECAD), also known as cell-CAM120/80 in the human, uvomorulin in the mouse, Arc-1 in the dog, and L-CAM in the chicken, is a member of the cadherin family of cell adhesion molecules. Cadherins are calcium-dependent transmembrane proteins, which bind to one another in a homophilic manner. On their cytoplasmic side, they associate with the three catenins, alpha, beta, and gamma (plakoglobin). This association links the cadherin protein to the cytoskeleton. Without association with the catenins, the cadherins are non-adhesive. Cadherins play a role in development, specifically in tissue formation. They may also help to maintain tissue architecture in the adult. E-Cadherin may also play a role in tumor development, as loss of E-Cadherin has been associated with tumor invasiveness. E-Cadherin is a classical cadherin molecule. Classical cadherins consist of a large extracellular domain which contains DXD and DXNDN repeats responsible for mediating calcium-dependent adhesion, a single-pass transmembrane domain, and a short carboxy-terminal cytoplasmic domain responsible for interacting with the catenins. E-Cadherin contains five extracellular calcium-binding domains of approximately 110 amino acids each.

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