BOSTER BIOLOGICAL TECHNOLOGY
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Anti-CADH1 Antibody

Catalog Number: M00063

About CDH1

Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. 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.

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Overview

Product Name	Anti-CADH1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-CADH1 Antibody (Catalog # M00063). Tested in WB, IHC-P, IF application(s). This antibody reacts with Human.
Application	IF, IHC-P, WB
Clonality	Monoclonal 1579CT577.150.80
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	P12830

Technical Details

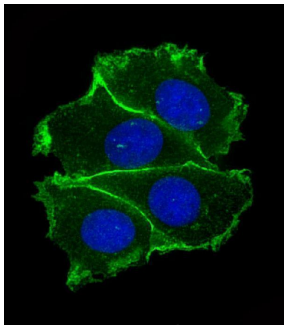
Immunogen	This CADH1 antibody is generated from a mouse immunized with a recombinat protein between 1-392 amino acids from human CADH1.
Predicted Reactive Species	Xenopus
Isotype	IgG1,kappa
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.

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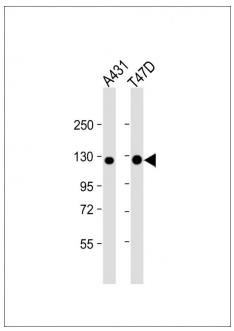
Suggested Dilutions	IF: 1:25 WB: 1:4000 IHC-P: 1:25

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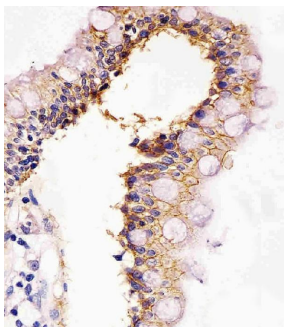
Anti-CADH1 Antibody (M00063) Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized MCF-7 (human breast cancer cell line) cells labeling CADH1 with M00063 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-mouse IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing membrane and weak cytoplasm staining on MCF-7 cell line. The nuclear counter stain is DAPI (blue).



All lanes : Anti-CADH1 Antibody at 1:4000 dilutionLane 1: A431 whole cell lysateLane 2: T47D whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 97 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



M00063 staining CADH1 in human colon tissue sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

12 Publications Citing This Product

1. PubMed ID: 24553082, Duan F, Lin M, Li C, Ding X, Qian G, Zhang H, Ge S, Fan X, Li J. Cancer Biol Ther. 2014 May;15(5):544-59. Doi: 10.4161/Cbt.28157. Epub 2014 Mar 11. Effects Of Inhibition Of Hedgehog Signaling On Cell Growth And Migration Of Uveal Melanoma Cells.

2. PubMed ID: 23437163, Shen R, Xie F, Shen H, Liu Q, Zheng T, Kou X, Wang D, Yang J. Plos One. 2013;8(2):E56542. Doi: 10.1371/Journal.Pone.0056542. Epub 2013 Feb 20. Negative Correlation Of Liv-1 And E-Cadherin Expression In Hepatocellular Carcinoma Cells.

3. PubMed ID: 26577463, Salidroside protects against bleomycin-induced pulmonary fibrosis: activation of Nrf2-antioxidant signaling, and inhibition of NF-?B and TGF-?1/Smad-2/-3 pathways

Visit bosterbio.com/anti-cadh1-antibody-m00063-boster.html to see all 12 publications.

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