Product datasheet

Anti-P-Cadherin/CDH3 Antibody (Clone#3C9)

Catalog Number: *M03353*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-P-Cadherin/CDH3 Antibody (Clone#3C9)
Gene Name	CDH3
Source	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Species Reactivity	human
Tested Application	WB, ICC/IF
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human P cadherin recombinant protein (Position: Q126-H336).
Concentration	500 ug/ml
Purification	protein G purified.
Observed MW	120 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-400

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

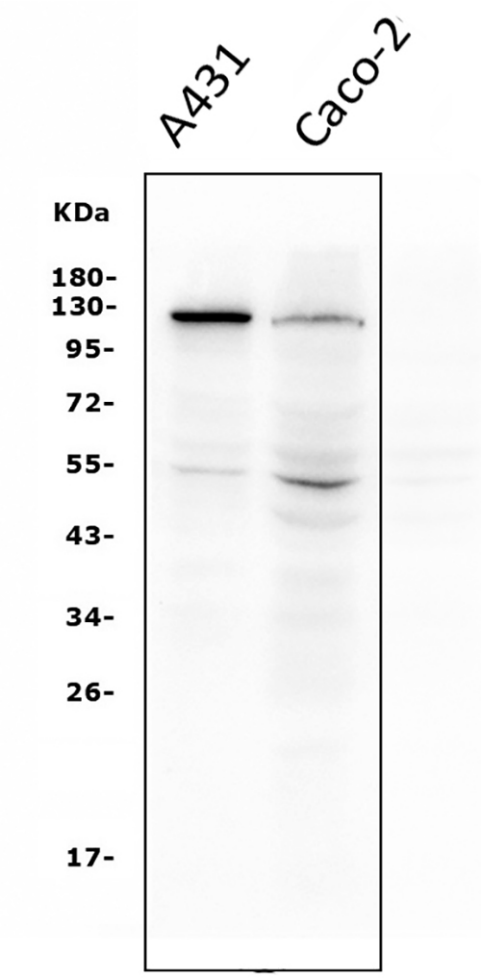
Cadherins, such as CDH3, are integral membrane glycoproteins responsible for calcium-dependent cell-cell adhesion. Cadherin-3 is a protein that in humans is encoded by the CDH3 gene. This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein composed of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene have been associated with congential hypotrichosis with juvenile macular dystrophy.

Anti-P-Cadherin/CDH3 Antibody (Clone#3C9)

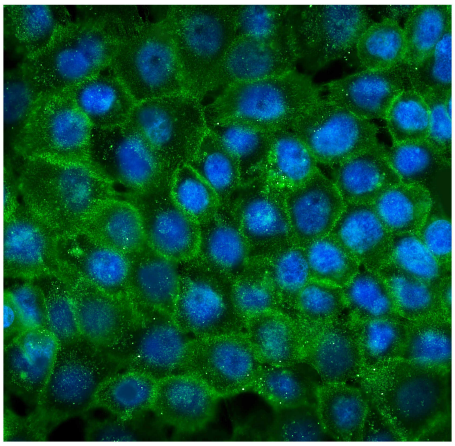
Catalog Number: *M03353*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Selected Validation Data



Western blot analysis of P-Cadherin/CDH3 using anti-P-Cadherin/CDH3 antibody (M03353). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human A431 whole cell lysates,
Lane 2: human CACO-2 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with mouse anti-P-Cadherin/CDH3 antigen affinity purified monoclonal antibody (M03353) at a dilution of 1:1000 and probed with a goat anti-mouse IgG-HRP secondary antibody (Catalog # BA1050). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for P-Cadherin/CDH3 at approximately 120 kDa. The expected band size for P-Cadherin/CDH3 is at 91 kDa.



ICC/IF analysis of P-Cadherin/CDH3 using anti-P-Cadherin/CDH3 antibody (M03353).
P-Cadherin/CDH3 was detected in an immunocytochemical section of A431 cells. The section was incubated with mouse anti-P-Cadherin/CDH3 Antibody (M03353) at a dilution of 1:100. Fluoro488-conjugated Anti-mouse IgG Secondary Antibody (green)(Catalog#BA1126) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).