Product Datasheet

E Cadherin Rabbit mAb

Catalog No: #48801

Package Size: #48801-1 50ul #48801-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

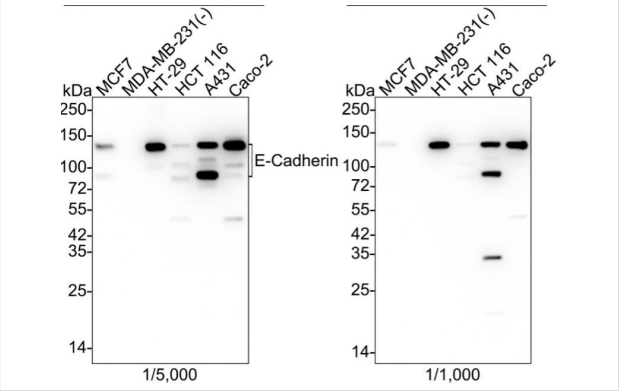
Description

Product Name	E Cadherin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SY0287
Purification	ProA affinity purified
Applications	WB;ICC/IF;IHC;IP ;FC
Species Reactivity	Hu
Immunogen Type	peptide
Immunogen Description	Synthetic peptide within human E-Cadherin
Conjugates	Unconjugated
Other Names	Arc 1 antibody CADH1_HUMAN antibody Cadherin 1 antibody cadherin 1 type 1 E-cadherin antibody Cadherin1 antibody CAM 120/80 antibody CD 324 antibody CD324 antibody CD324 antigen antibody cdh1 antibody CDHE antibody E-Cad/CTF3 antibody E-cadherin antibody ECAD antibody Epithelial cadherin antibody epithelial calcium dependant adhesion protein antibody LCAM antibody Liver cell adhesion molecule antibody UVO antibody Uvomorulin antibody
Accession No.	Swiss-Prot#:P12830
Calculated MW	97/91 kDa
Formulation	1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

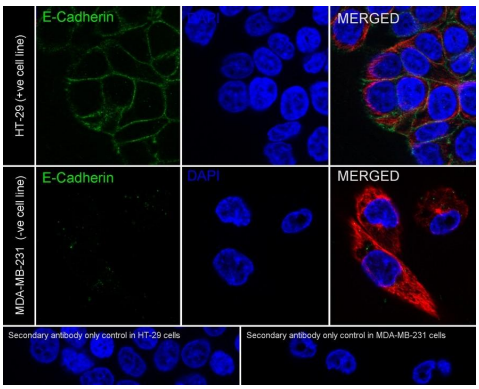
Application Details

WB 1:1000-1:5000; IHC 1:100-1:200; ICC/IF 1:100-1:2000; IP:Use at an assay dependent concentration; FC:1:1000

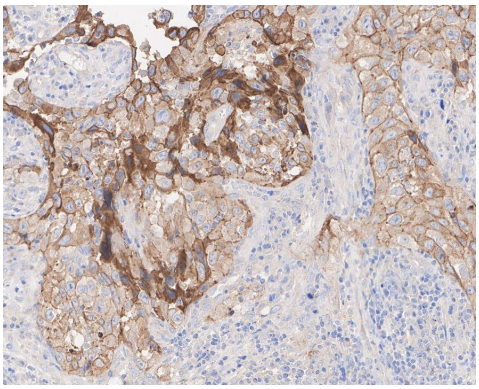
Images



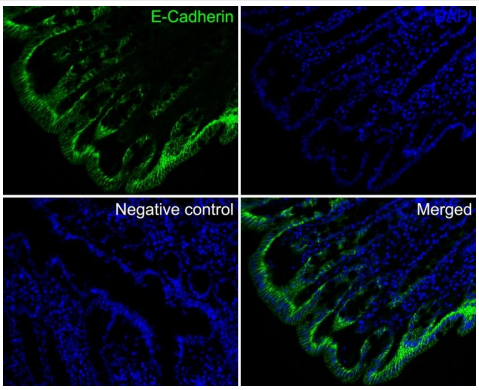
Western blot analysis of E Cadherin on different lysates with E Cadherin antibody at 1/5,000 dilution and competitor's antibody at 1/1,000 dilution.; Lane 1: MCF7 cell lysate; Lane 2: MDA-MB-231 cell lysate (negative); Lane 3: HT-29 cell lysate; Lane 4: HCT 116 cell lysate; Lane 5: A431 cell lysate; Lane 6: Caco-2 cell lysate; Lysates/proteins at 20 ug/Lane.; Predicted band size: 97 kDa; Observed band size: 80-120 kDa



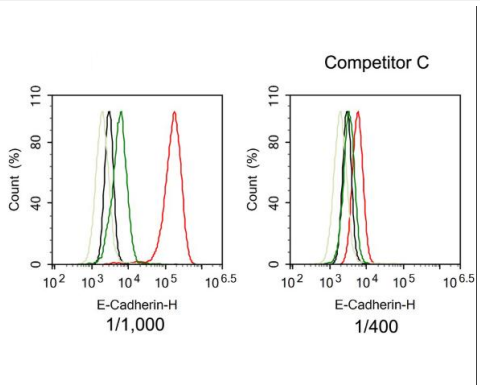
Immunocytochemistry analysis of HT-29 (positive) and MDA-MB-231 (negative) cells labeling E-Cadherin with E-Cadherin antibody at 1/2,000 dilution.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue with E-Cadherin antibody at 1/200 dilution.



Application: IF-tissue; Species: Human; Site: Colon; Sample: Paraffin-embedded section; Antibody concentration: 1/200;



Flow cytometric analysis of HT-29 (positive, red) and MDA-MB-231 (negative, green) cells labeling E-Cadherin. Cells were fixed and permeabilized. Then stained with the primary antibody (red) at 1/1,000 dilution and competitor's antibody (red) at 1/400 dilution, compared with Rabbit IgG Isotype Control (HT-29 black, MDA-MB-231 light green). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluorβ ' 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4°C.

Background

Cadherins comprise a family of Ca2+-dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. Members of this family of adhesion proteins include rat cadherin K (and its human homolog, cadherin-6), R-cadherin, B-cadherin, E/P cadherin and cadherin-5. The classical cadherins, E-, N- and P-cadherin, consist of large extracellular domains characterized by a series of five homologous NH2 terminal repeats. The most distal of these cadherins is thought to be responsible for binding specificity, transmembrane domains and carboxy terminal intracellular domains. The relatively short intracellular domains interact with a variety of cytoplasmic proteins, such as β-catenin, to regulate cadherin function.

Published Papers

el at., PD-L1 Expression Is Regulated By NF-κB DurIng EMT SignalIng In Gastric CarcInoma. In Onco Targets Ther on 2019 Nov 25 by Xu D, Li J, et al..PMID:31819504, , (2019)

PMID:31819504

Note: This product is for in vitro research use only and is not intended for use in humans or animals.