Product Datasheet

E-Cadherin Rabbit mAb

Catalog No: #62258

Package Size: #62258-1 100ul

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

Description

Product Name	E-Cadherin Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SR4564
Purification	Protein A affinity purified.
Applications	WB;IHC;IF;IP;FC
Species Reactivity	Human;Mouse;Rat
Immunogen Type	Protein
Immunogen Description	Recombinant protein within mouse E-Cadherin
Conjugates	unconjugated
Target Name	CD324
Uniprot	P12830
Calculated MW	Predicted band size: 98 kDa
Concentration	1ug/ul
Formulation	PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Application Details

WB 1:5000;

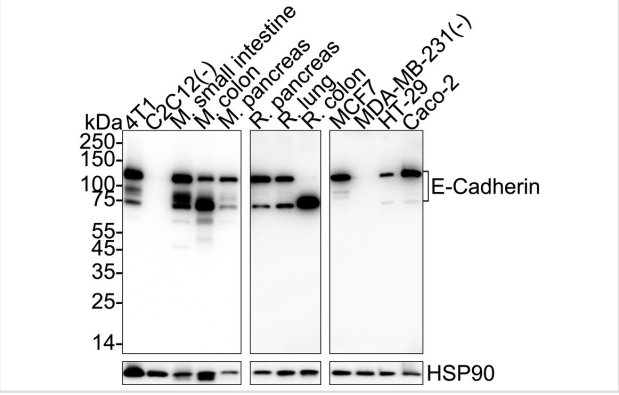
IHC 1:500-1:5000;

IF 1:100-1:500;

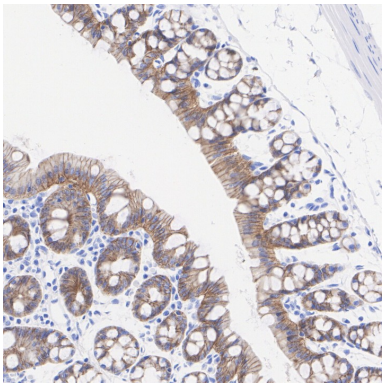
IP 1-2ug/sample;

FC 1:1000;

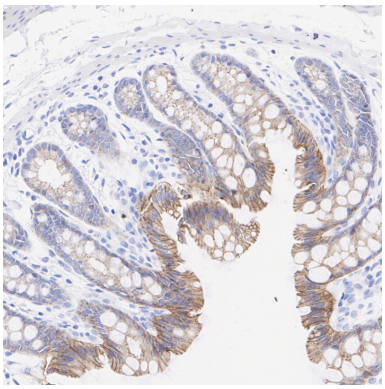
Images



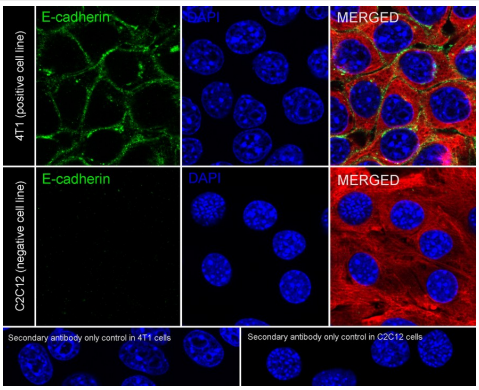
Western blot analysis of E-Cadherin on different lysates with E-Cadherin at 1/5,000 dilution.
Lane 1: 4T1 cell lysate (20 ug/Lane)
Lane 2: C2C12 cell lysate (negative) (20 ug/Lane)
Lane 3: Mouse small intestine tissue lysate (30 ug/Lane)
Lane 4: Mouse colon tissue lysate (30 ug/Lane)
Lane 5: Mouse pancreas tissue lysate (30 ug/Lane)
Lane 6: Rat pancreas tissue lysate (30 ug/Lane)
Lane 7: Rat lung tissue lysate (30 ug/Lane)
Lane 8: Rat colon tissue lysate (30 ug/Lane)
Lane 9: MCF7 cell lysate (20 ug/Lane)
Lane 10: MDA-MB-231 cell lysate (negative) (20 ug/Lane)
Lane 11: HT-29 cell lysate (20 ug/Lane)
Lane 12: Caco-2 cell lysate (20 ug/Lane)
Predicted band size: 98 kDa
Observed band size: 75-130 kDa



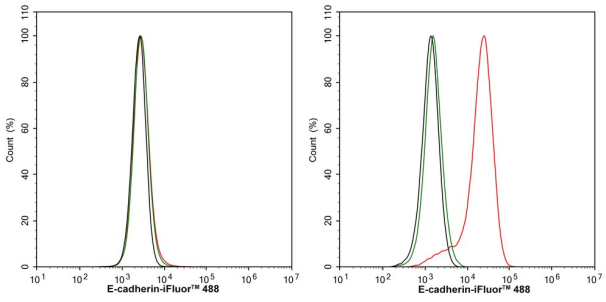
Immunohistochemical analysis of paraffin-embedded mouse colon tissue with E-Cadherin at 1/5,000 dilution.
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody at 1/5,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



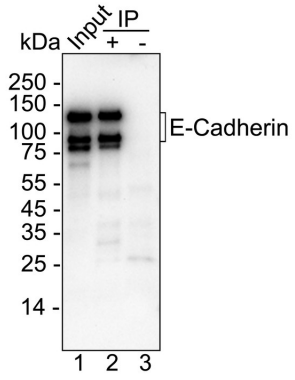
Immunohistochemical analysis of paraffin-embedded rat colon tissue with E-Cadherinat 1/5,000 dilution.
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody at 1/5,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunocytochemistry analysis of 4T1 (positive) and C2C12 (negative) labeling E-Cadherin at 1/500 dilution.
Cells were fixed in 4% paraformaldehyde for 15 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 15 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with E-Cadherin at 1/500 dilution in 1% BSA in PBST overnight at 4°C. Goat Anti-Rabbit IgG H&L (iFluor 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



Flow cytometric analysis of C2C12 (left, negative) and 4T1 (right, positive) cells labeling E-Cadherin.
Cells were washed twice with cold PBS and resuspend. Then stained with the primary antibody (1/1,000) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4°C.
Unlabelled sample was used as a control (cells without incubation with primary antibody; black).



E-Cadherin was immunoprecipitated from 0.2 mg 4T1 cell lysate with E-Cadherin at 2 ug/10 ul beads. Western blot was performed from the immunoprecipitate using E-Cadherin at 1/5,000 dilution. HRP Conjugated Anti-Rabbit IgG for IP Nano-secondary antibody at 1/5,000 dilution was used for 1 hour at room temperature.
Lane 1: 4T1 cell lysate (input)
Lane 2: E-Cadherin IP in 4T1 cell lysate
Lane 3: Rabbit IgG instead of E-Cadherin in 4T1 cell lysate
Blocking/Dilution buffer: 5% NFDM/TBST

Note: This product is for in vitro research use only