Product Datasheet

E-cadherin/Cdh1 Rabbit Polyclonal Antibody (orb1972562)

Catalog Number	orb1972562
Category	Antibodies
Description	Anti-E-cadherin/Cdh1 Antibody. Tested in WB, IHC, IF, Flow Cytometry, ELISA applications. This antibody reacts with Mouse, Rat.
Target	Cadherin-1
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Mouse, Rat
Form/Appearance	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Buffer/Preservatives	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Immunogen	E.coli-derived mouse E-cadherin/Cdh1 recombinant protein (Position: Q23-Q708). Mouse Cdh1 shares 77.9% and 90.7% amino acid (aa) sequence identity with human and rat Cdh1, respectively.

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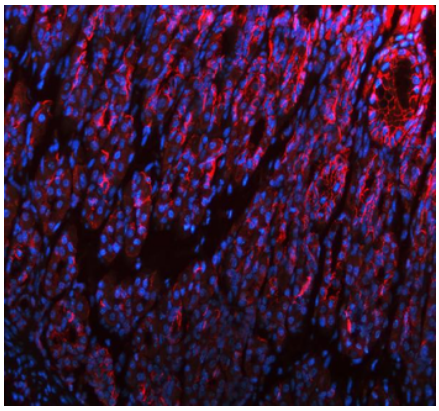
UniProt ID	**P09803**
MW	120-130 kDa
Tested applications	ELISA, FC, IF, IHC, WB
Dilution range	Western blot, 0.25-0.5 µg/ml, Mouse Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/ml, Mouse, Rat Immunofluorescence, 5 µg/ml, Human Flow Cytometry (Fixed), 1-3 µg /1x10^6 cells, Mouse ELISA, 0.1-0.5 µg/ml
Antibody Type	Primary Antibody
Storage	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.
Note	For research use only
Expiration Date	12 months from date of receipt.



IF analysis of E-Cadherin/Cdh1 using anti-E-Cadherin/Cdh1 antibody. E-Cadherin/Cdh1 was detected in a paraffin-embedded section of mouse stomach tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5 µg/mL rabbit anti-E-Cadherin/Cdh1 Antibody overnight at 4°C. DyLight®594 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

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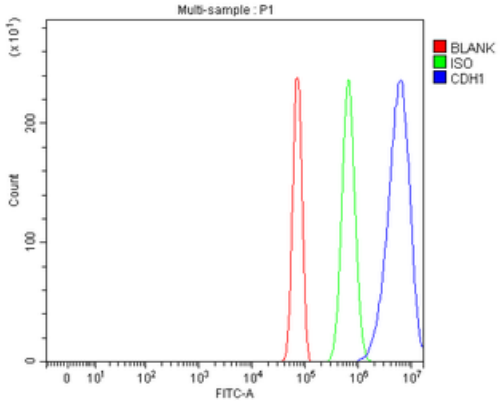
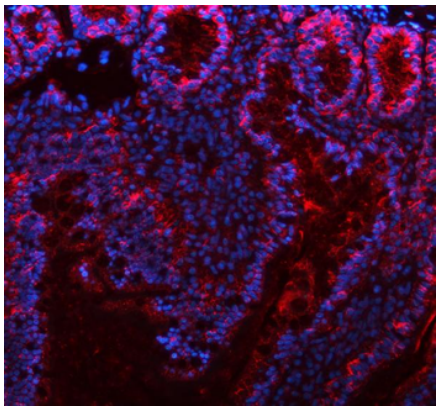


Flow Cytometry analysis of NIH/3T3 cells using anti-E-Cadherin/Cdh1 antibody. Overlay histogram showing NIH/3T3 cells (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-E-Cadherin/Cdh1 Antibody (1 µg/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10 µg/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 µg/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



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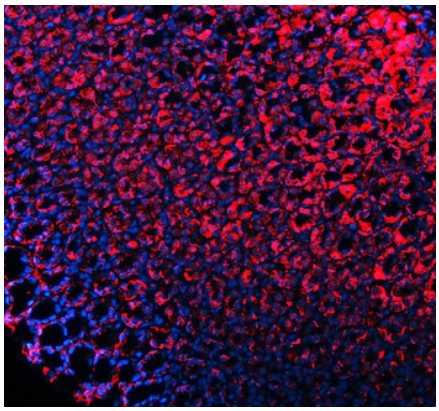

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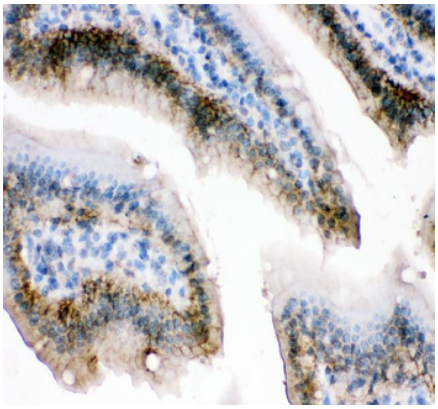

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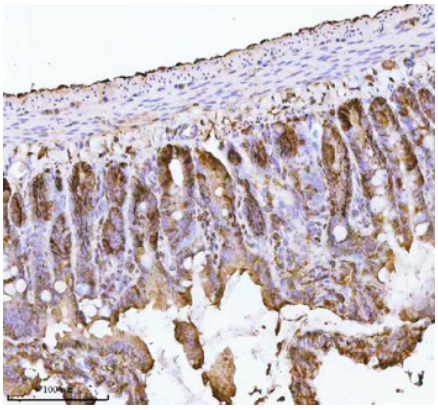

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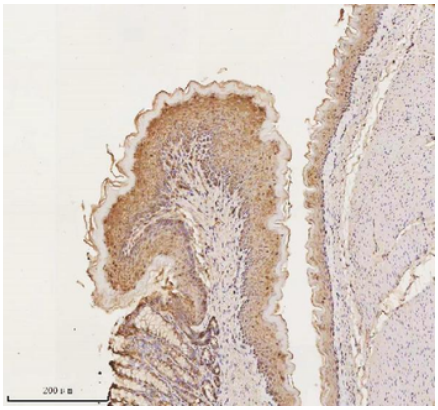

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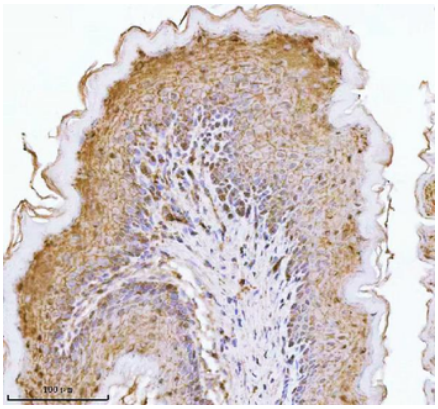

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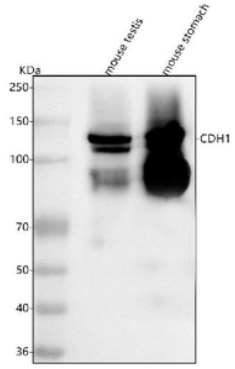

Western blot analysis of E-Cadherin/Cdh1 using anti-E-Cadherin/Cdh1 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: mouse testis tissue lysates, Lane 2: mouse stomach tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-E-Cadherin/Cdh1 antigen affinity purified polyclonal antibody at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for E-Cadherin/Cdh1 at approximately 120-130 kDa. The expected band size for E-Cadherin/Cdh1 is at 97 kDa.

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