

Rabbit anti-Mouse, Rat E-cadherin/Cdh1 Polyclonal Antibody | anti-CDH1 antibody

Anti-E-cadherin/Cdh1 Antibody Picoband

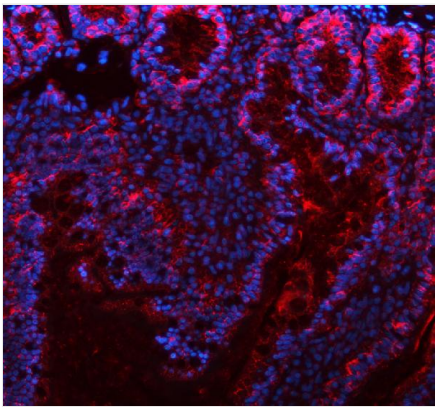
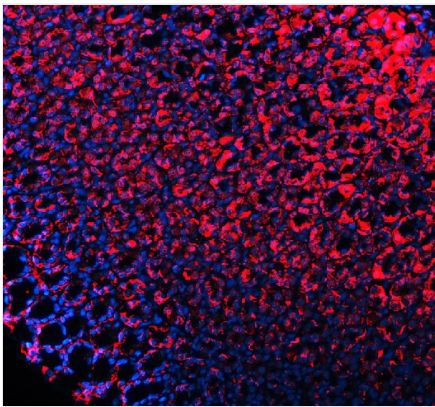
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19723	Rabbit	Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

E-cadherin/Cdh1; Polyclonal Antibody; Anti-E-cadherin/Cdh1 Antibody Picoband; anti-CDH1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-CDH1 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	WB: 0.25-0.5ug/ml, Mouse IHC: 2-5ug/ml, Mouse, Rat IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug /1x10 ⁶ cells, Mouse ELISA: 0.1-0.5ug/ml
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.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

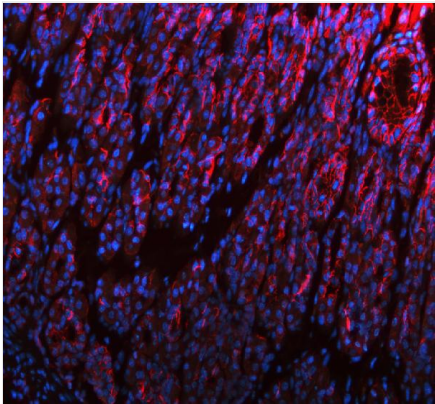


IF (Immunofluorescence)

Figure 9. IF analysis of E-Cadherin/Cdh1 using anti-E-Cadherin/Cdh1 antibody (AAA19723).E-Cadherin/Cdh1 was detected in a paraffin-embedded section of rat stomach tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/mL rabbit anti-E-Cadherin/Cdh1 Antibody (AAA19723) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

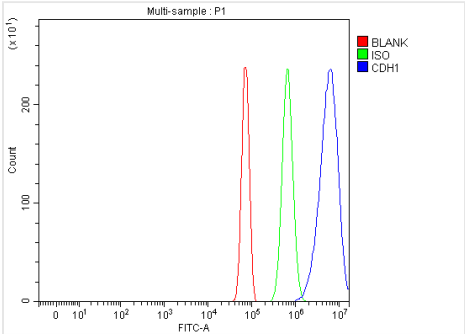
IF (Immunofluorescence)

Figure 8. IF analysis of E-Cadherin/Cdh1 using anti-E-Cadherin/Cdh1 antibody (AAA19723).E-Cadherin/Cdh1 was detected in a paraffin-embedded section of rat colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/mL rabbit anti-E-Cadherin/Cdh1 Antibody (AAA19723) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IF (Immunofluorescence)

Figure 7. IF analysis of E-Cadherin/Cdh1 using anti-E-Cadherin/Cdh1 antibody (AAA19723).E-Cadherin/Cdh1 was detected in a paraffin-embedded section of mouse stomach tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/mL rabbit anti-E-Cadherin/Cdh1 Antibody (AAA19723) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



FCM (Flow Cytometry)

Figure 6. Flow Cytometry analysis of NIH/3T3 cells using anti-E-Cadherin/Cdh1 antibody (AAA19723).Overlay histogram showing NIH/3T3 cells stained with AAA19723 (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 (AAA19723, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115419
NCBI GeneID	12550
UniProt Accession #	P09803; Q61377
Molecular Weight	884
NCBI Official Full Name	Cadherin-1
NCBI Official Synonym Full Names	cadherin 1
NCBI Official Symbol	Cdh1
NCBI Official Synonym Symbols	Um; UVO; Ecad; E-cad; L-CAM; AA960649
NCBI Protein Information	cadherin-1; ARC-1; E-cadherin; uvomorulin; epithelial cadherin
UniProt Protein Name	Cadherin-1
UniProt Gene Name	Cdh1
UniProt Synonym Gene Names	E-cadherin
UniProt Entry Name	CADH1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/e-cadherin-cdh1-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/19723>