

Rabbit anti-Human, Mouse LI Cadherin/CDH17 Polyclonal Antibody | anti-CDH17 antibody

Anti-LI Cadherin/CDH17 Antibody Picoband

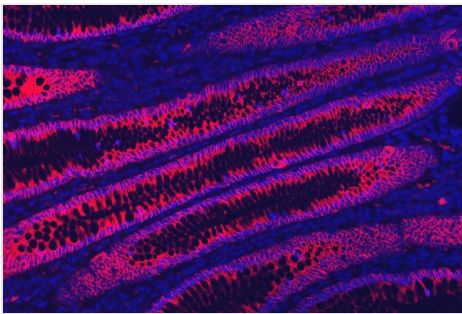
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19569	Rabbit	Human, Mouse	Immunohistochemistry, Immunocytochemistry, Immunofluorescence, ELISA

PRODUCT SYNONYMS

LI Cadherin/CDH17; Polyclonal Antibody; Anti-LI Cadherin/CDH17 Antibody Picoband; anti-CDH17 antibody

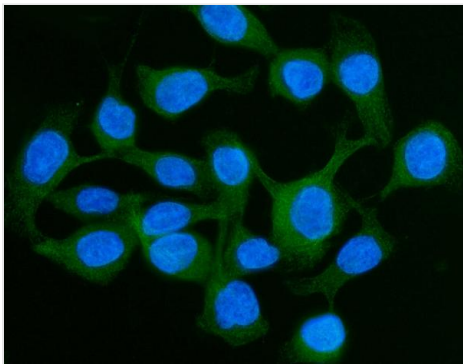
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
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 .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CDH17 antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), ELISA
Application Notes	IHC-P: 1-2 ug/ml, Human, Mouse ICC/IF: 5 ug/ml, Human IF: 5 ug/ml, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P) and ICC.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human LI Cadherin/CDH17 recombinant protein (Position: E24-Q695).
Preparation and Storage	Store 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.



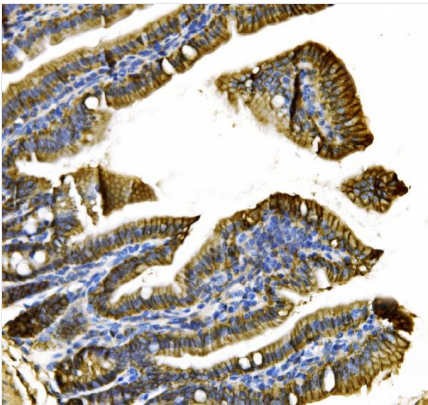
IF (Immunofluorescence)

Figure 6. IF analysis of LI Cadherin/CDH17 using anti-LI Cadherin/CDH17 antibody (AAA19569).LI Cadherin/CDH17 was detected in a paraffin-embedded section of human rectal cancer 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 5 ug/mL rabbit anti-LI Cadherin/CDH17 Antibody (AAA19569) overnight at 4 degree C. Biotin conjugated goat anti-rabbit IgG (BA1003) was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Cy3 Conjugated Avidin (BA1037). The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



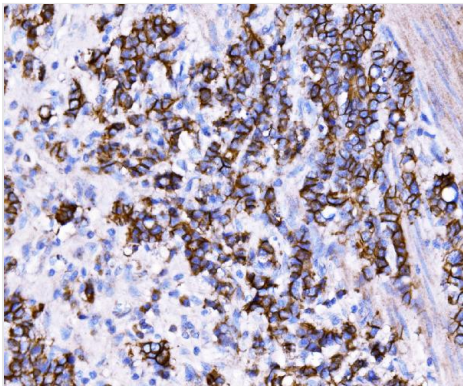
IF (Immunofluorescence)

Figure 5. IF analysis of LI Cadherin/CDH17 using anti-LI Cadherin/CDH17 antibody (AAA19569).LI Cadherin/CDH17 was detected in an immunocytochemical section of CACO-2 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-LI Cadherin/CDH17 Antibody (AAA19569) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 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.



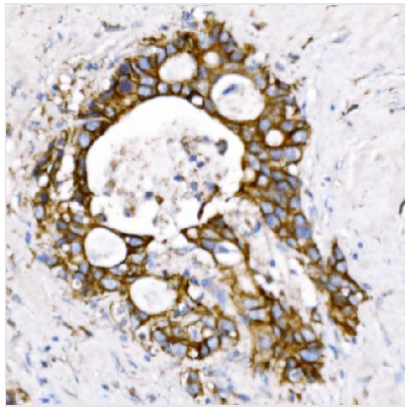
IHC (Immunohistochemistry)

Figure 4. IHC analysis of LI Cadherin/CDH17 using anti-LI Cadherin/CDH17 antibody (AAA19569).LI Cadherin/CDH17 was detected in a paraffin-embedded section of mouse 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 2 ug/ml rabbit anti-LI Cadherin/CDH17 Antibody (AAA19569) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



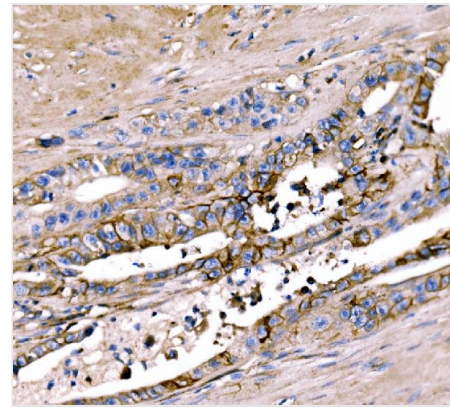
IHC (Immunohistochemistry)

Figure 3. IHC analysis of LI Cadherin/CDH17 using anti-LI Cadherin/CDH17 antibody (AAA19569).LI Cadherin/CDH17 was detected in a paraffin-embedded section of human stomach cancer 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 2 ug/ml rabbit anti-LI Cadherin/CDH17 Antibody (AAA19569) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of LI Cadherin/CDH17 using anti-LI Cadherin/CDH17 antibody (AAA19569). LI Cadherin/CDH17 was detected in a paraffin-embedded section of human gall bladder adenocarcinoma 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 2 ug/ml rabbit anti-LI Cadherin/CDH17 Antibody (AAA19569) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 1. IHC analysis of LI Cadherin/CDH17 using anti-LI Cadherin/CDH17 antibody (AAA19569). LI Cadherin/CDH17 was detected in a paraffin-embedded section of human appendicitis 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 2 ug/ml rabbit anti-LI Cadherin/CDH17 Antibody (AAA19569) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-CDH17 antibody	Cadherin-17, also known as HPT1 or CDH16 is a protein that in humans is encoded by the CDH17 gene. By somatic cell hybrid analysis and fluorescence in situ hybridization, CDH17 gene is mapped to 8q22.1. This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. The encoded protein is cadherin-like, consisting of an extracellular region, containing 7 cadherin domains, and a transmembrane region but lacking the conserved cytoplasmic domain. The protein is a component of the gastrointestinal tract and pancreatic ducts, acting as an intestinal proton-dependent peptide transporter in the first step in oral absorption of many medically important peptide-based drugs. The protein may also play a role in the morphological organization of liver and intestine.
Product Categories/Family for anti-CDH17 antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316595
NCBI GeneID	1015
NCBI Accession #	NP_001138135.1
NCBI GenBank Nucleotide #	NM_001144663.1
UniProt Accession #	Q12864 ; Q15336 ; Q2M2E0
Molecular Weight	92,219 Da
NCBI Official Full Name	cadherin-17
NCBI Official Synonym Full Names	cadherin 17, LI cadherin (liver-intestine)
NCBI Official Symbol	CDH17
NCBI Official Synonym Symbols	HPT1; CDH16; HPT-1
NCBI Protein Information	cadherin-17; LI cadherin; LI-cadherin; cadherin-16; HPT-1 cadherin; liver-intestine cadherin; human peptide transporter 1; intestinal peptide-associated transporter HPT-1; human intestinal peptide-associated transporter HPT-1
UniProt Protein Name	Cadherin-17

UniProt Gene Name	CDH17
UniProt Synonym Gene Names	LI-cadherin
UniProt Entry Name	CAD17_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/li-cadherin-cdh17-antibody-immunohistochemistry-immunocytochemistry-immunofluorescence-elisa/19569>