

Rabbit anti-Human Cadherin 17/CDH17 Polyclonal Antibody | anti-CDH17 antibody

Anti-Cadherin 17/CDH17 Antibody, Rabbit Polyclonal

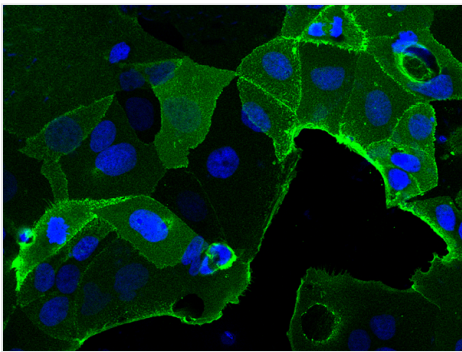
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257528	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

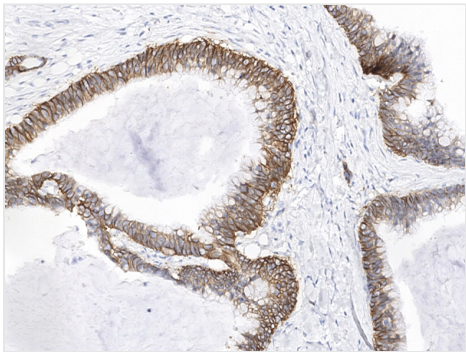
Cadherin 17/CDH17; Polyclonal Antibody; Anti-Cadherin 17/CDH17 Antibody; Rabbit Polyclonal; Cadherin 17/CDH17 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-CDH16 Antibody; Anti-HPT-1 Antibody; Anti-HPT1 Antibody; cadherin 17; LI cadherin (liver-intestine); anti-CDH17 antibody

PRODUCT SPECIFICATIONS

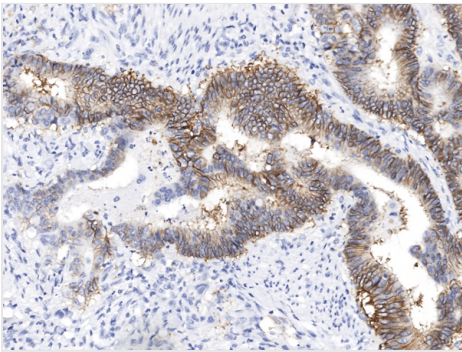
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Cadherin 17/CDH17
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. 0.2um filtered solution in PBS
Applicable Applications for anti-CDH17 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Cadherin 17/CDH17 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human Cadherin 17/CDH17 (rh Cadherin 17/CDH17; Q12864-1; Met1-Met787). Cadherin 17/CDH17 specific IgG was purified by Human Cadherin 17/CDH17 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.



IF (Immunofluorescence)
Immunofluorescence staining of CDH17 in CACO2 cells. Cells were fixed with 4% PFA,blocked with 10% serum, and incubated with rabbit anti-Human CDH17 polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor-488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).Positive staining was localized to Cell membrane.



IHC (Immunohistochemistry)
Immunochemical staining of human CDH17 in human colon carcinoma with rabbit polyclonal antibody at 1:10000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human CDH17 in human rectum carcinoma with rabbit polyclonal antibody at 1:10000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-CDH17 antibody	Background: Cadherin-17 or LI-cadherin is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. Cadherin-17/LI-cadherin is a cadherin-like protein consisting of an extracellular region, 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. Alternative splicing of the encoding gene results in multiple transcript variants. Cadherin-17/LI-cadherin preferentially interact with themselves in a homophilic manner in connecting cells. Cadherin-17 may thus contribute to the sorting of heterogeneous cell types and have a role in the morphological organization of liver and intestine. It's also involved in intestinal peptide transport. Experiments have reported the association between Cadherin-17/LI-cadherin and gastric cancer. Cadherin-17/LI-cadherin expression was detected in 63/94 of gastric adenocarcinomas in addition to intestinal metaplasia. The expression of Cadherin-17 tended to be associated with intestinal type carcinoma, and carcinomas with Cadherin-17 expression was significantly more frequent in advanced stage cases than in early stage. Cadherin-17 is also a useful immunohistochemical marker for test of adenocarcinomas of the digestive system.
Product Categories/Family for anti-CDH17 antibody	Canonical Wnt Pathway
References	Liu LX, et al. (2009) Targeting cadherin-17 inactivates Wnt signaling and inhibits tumor growth in liver carcinoma. Hepatology. 50(5): 1453-63.Ito R, et al. (2005) Clinicopathological significant and prognostic influence of cadherin-17 expression in gastric cancer. Virchows Arch. 447(4): 717-22.Horsfield J, et al. (2002) Cadherin-17 is required to maintain pronephric duct integrity during zebrafish development. Mech Dev. 115(1-2): 15-26.

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.

