

## Rabbit anti-Human Cadherin 17/CDH17 Monoclonal Antibody | anti-CDH17 antibody

Recombinant Anti-Cadherin 17/CDH17 Antibody, Rabbit Monoclonal

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA255407</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

### PRODUCT SYNONYMS

Cadherin 17/CDH17; Monoclonal Antibody; Recombinant Anti-Cadherin 17/CDH17 Antibody; Rabbit Monoclonal; Cadherin-17/LI-cadherin/CDH17 Antibody; Rabbit MAb; cadherin 17; LI cadherin (liver-intestine); Anti-CDH16 Antibody; Anti-HPT-1 Antibody; Anti-HPT1 Antibody; anti-CDH17 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                 |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                            |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                                            |
| Clone Number                                    | 029                                                                                                                                                                                                                                                                   |
| Specificity                                     | Human Cadherin-17/LI-cadherin/CDH17.<br>No cross-reactivity in ELISA with Human Cad8, Human E-Cad, Human Cad5                                                                                                                                                         |
| Purity/Purification                             | Protein A                                                                                                                                                                                                                                                             |
| Form/Format                                     | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-CDH17 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                            |
| Antibody Type                                   | Recombinant Antibody                                                                                                                                                                                                                                                  |
| Immunogen                                       | Recombinant Human Cadherin-17/LI-cadherin/CDH17 protein                                                                                                                                                                                                               |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                     | This antibody was obtained from a rabbit immunized with purified, recombinant Human Cadherin-17/LI-cadherin/CDH17 (rh Cadherin-17/LI-cadherin/CDH17).                                                                                                                 |
| 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. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunochemical staining of human CDH17 in human appendix with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to intestinal gland.



#### IHC (Immunohistochemistry)

Immunochemical staining of human CDH17 in human colon with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to colonic gland.



**IHC (Immunohistochemistry)**  
Immunochemical staining of human CDH17 in human rectal carcinoma with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to intestinal gland.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CDH17 antibody | 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 identification 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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                                                                                                                                                                                                                       |

**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](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cadherin-17-cdh17-antibody-clone-029-immunohistochemistry-elisa/255407>