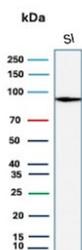


## LI-Cadherin Antibody / Cadherin 17 [clone CDH17/2614] (V5639)

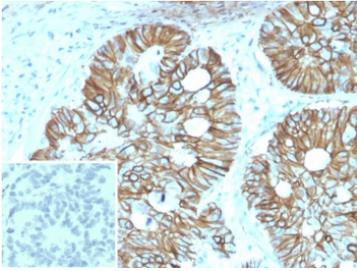
| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V5639-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5639-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V5639SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

[Bulk quote request](#)

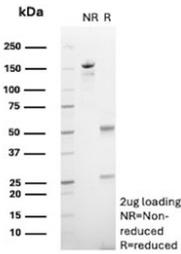
|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Purified  |
| <b>Host</b>               | Mouse   |
| <b>Clonality</b>          | Monoclonal (mouse origin)   |
| <b>Isotype</b>            | Mouse IgG2b, kappa  |
| <b>Clone Name</b>         | CDH17/2614  |
| <b>Purity</b>             | Protein G affinity  |
| <b>UniProt</b>            | Q12864  |
| <b>Localization</b>       | Cell membrane   |
| <b>Applications</b>       | Immunohistochemistry (FFPE) : 1-2ug/ml<br>Western Blot : 1-2ug/ml |
| <b>Limitations</b>        | This LI-Cadherin antibody is available for research use only.     |



Western blot testing of human small intestine tissue lysate with LI-Cadherin antibody (clone CDH17/2614). Predicted molecular weight ~92 kDa but may be observed at higher molecular weights due to glycosylation.



IHC staining of FFPE human colon tissue with LI-Cadherin antibody (clone CDH17/2614). Inset: PBS used in place of primary Ab (secondary Ab negative control).  
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free LI-Cadherin antibody (clone CDH17/2614) as confirmation of integrity and purity.

## Description

LI-Cadherin antibody targets Cadherin 17, also known as Liver-intestine cadherin, a calcium-dependent cell adhesion protein encoded by the CDH17 gene. LI-Cadherin is a non-classical member of the cadherin superfamily and is predominantly localized to the cell membrane of epithelial cells in the gastrointestinal tract. Unlike classical cadherins, Cadherin 17 contains seven extracellular cadherin repeats and a short cytoplasmic domain that does not interact with catenins, conferring distinct adhesive and signaling properties.

LI-Cadherin plays an important role in maintaining epithelial organization and polarity in intestinal tissues. LI-Cadherin antibody, also commonly referred to as CDH17 antibody in the literature, is frequently used to study adhesion mechanisms in gastrointestinal epithelial cells. The unique structural features of Cadherin 17 support calcium-dependent cell-cell adhesion while allowing greater flexibility in epithelial remodeling compared with classical cadherins such as E-cadherin.

Expression of LI-Cadherin is largely restricted to the small intestine and colon, with minimal expression in most non-epithelial tissues. Cadherin 17 expression patterns are well characterized in normal intestinal mucosa and are commonly preserved in intestinal-type epithelial tumors. LI-Cadherin antibody is therefore a useful reagent for examining gastrointestinal epithelial differentiation and tissue-specific adhesion profiles.

In cancer-related research, altered expression of Cadherin 17 has been associated with tumor progression and metastatic behavior in gastrointestinal malignancies. LI-Cadherin antibody is widely applied as a marker for identifying tumors of intestinal origin and for distinguishing gastrointestinal-derived carcinomas from non-intestinal epithelial tumors.

This LI-Cadherin antibody, clone CDH17/2614, is designed to recognize Cadherin 17 protein in research applications. Clone CDH17/2614 supports detection of membrane-associated LI-Cadherin expression and is suitable for studies focused on epithelial adhesion, gastrointestinal biology, and tumor characterization.

## Application Notes

Optimal dilution of the LI-Cadherin antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 200-500 from human Cadherin 17 protein was used as the immunogen for the LI-Cadherin antibody.

## Storage

Aliquot the LI-Cadherin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.