

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 36-2014: Anti-Cadherin 17 / LI Cadherin (Liver-Intestine Marker) Monoclonal Antibody (Clone: CDH17/2615)

Clonality: Monoclonal
Clone Name: CDH17/2615

Application: IHC
Reactivity: Human
Gene: CDH17
Gene ID: 1015
Uniprot ID: Q12864

BILL-cadherin; Cadherin-17; CDH17; HPT-1 cadherin; human intestinal peptide-associated

Alternative Name: transporter HPT-1; human peptide transporter 1 (HPT-1); Intestinal peptide-associated

transporter HPT-1; LI-cadherin (liver-intestine); Liver Cadherin; Liver-intestine cadherin

**Isotype:** Mouse IgG2b, kappa

Immunogen Information: Recombinant fragment (around aa 242-418) of human Cadherin 17 protein (CDH17) (exact

sequence is proprietary)

## **Description**

It recognizes a protein of 120kDa, which is identified as Cadherin 17 (also known as LI Cadherin). The cadherins are a family of Calcium-dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. Cadherins each contain a large extracellular domain at the amino terminus, which is characterized by a series of five homologous repeats, the most distal of which is thought to be responsible for binding specificity. The relatively short carboxy terminal, intracellular domain interacts with a variety of cytoplasmic proteins, including beta-catenin, to regulate cadherin function. LI-cadherin (for liver-intestine-cadherin) expression is restricted to liver and intestine tissues and is specifically localized to the basolateral domain of hepatocytes and enterocytes.

## **Product Info**

**Amount:** 20 μg / 100 μg

**Content:** 200μg/ml of Ab Purified from rabbit anti-serum by Protein A. Prepared in 10mM PBS with 0.05%

BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.

**Storage condition :** Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months.

## **Application Note**

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

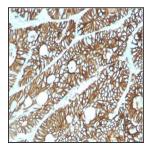


Fig.1: Formalin-fixed, paraffin-embedded human Colon stained with CDH17-Monospecific Mouse Monoclonal Antibody (CDH17/2615).



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

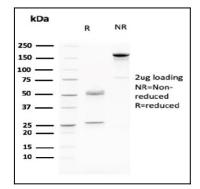


Fig. 2: SDS-PAGE Analysis Purified CDH17-Monospecific Mouse Monoclonal Antibody (CDH17/2615). Confirmation of Purity and Integrity of Antibody.

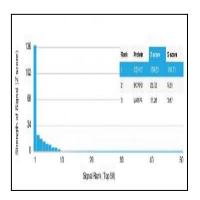


Fig. 3: Analysis of Protein Array containing more than 19,000 full-length human proteins using CDH17-Monospecific Mouse Monoclonal Antibody (CDH17/2615). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-lgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.