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Datasheet for ABIN6939028

anti-LI Cadherin antibody (AA 242-418)

3 Images

Overview

Quantity:	100 µg
Target:	LI Cadherin
Binding Specificity:	AA 242-418
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LI Cadherin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment (around aa 242-418) of human Cadherin 17 protein (CDH17) (exact sequence is proprietary)
Clone:	CDH17-2617
Isotype:	IgG2b
Specificity:	It recognizes a protein of 120 kDa, 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

Product Details

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.

Cross-Reactivity (Details): Human,

Purification: 200ug/ml of Ab Purified from rabbit anti-serum by Protein A.

Target Details

Target: LI Cadherin

Alternative Name: CDH17 ([LI Cadherin Products](#))

Background: BILL-cadherin, Cadherin-17, CDH17, HPT-1 cadherin, human intestinal peptide-associated transporter HPT-1, human peptide transporter 1 (HPT-1), Intestinal peptide-associated transporter HPT-1, LI-cadherin (liver-intestine), Liver Cadherin, Liver-intestine cadherin, Cadherin 17 / LI Cadherin (Liver-Intestine Marker)
Cellular localisation: Cell Surface and Cytoplasmic

Molecular Weight: 120kDa

Gene ID: 1015, 591853

UniProt: [Q12864](#)

Application Details

Application Notes: Positive Control: HepG2 or HT29 cells. Stomach, Small Intestine, Colon or liver.
Known Application: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT), (Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: Prepared in 10 mM PBS with 0.05 % BSA and 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

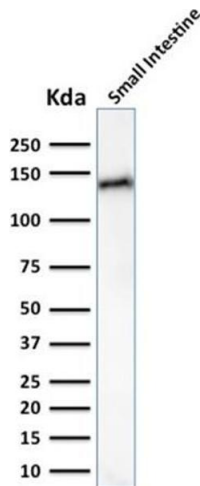
Handling

Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also available WITHOUT BSA & azide at 1.0mg/ml.

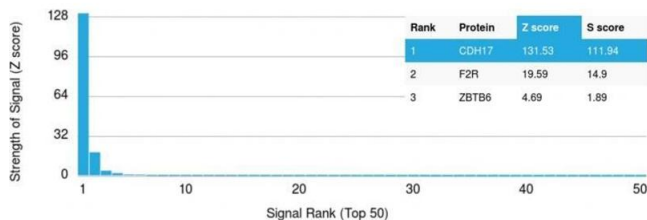
Expiry Date: 24 months

Images



Western Blotting

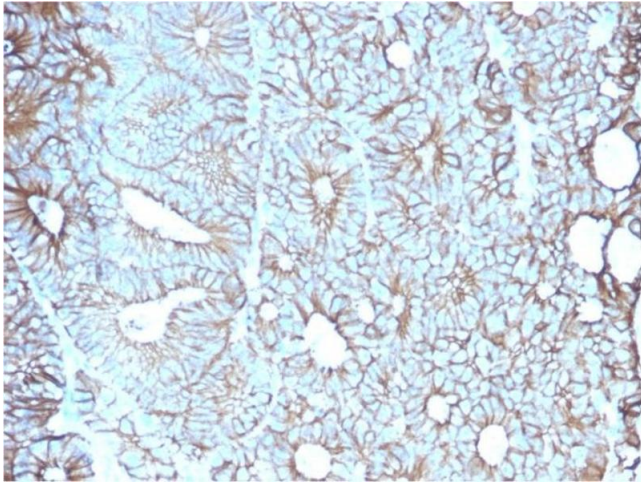
Image 1. Western Blot Analysis of human Small Intestine tissue lysate using Cadherin 17 / CDH17 Mouse Monoclonal Antibody (CDH17/2617).



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Cadherin 17 (CDH17) Mouse Monoclonal Antibody (CDH17/2617). 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-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) 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.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Colon stained with Cadherin 17 / CDH17 Mouse Monoclonal Antibody (CDH17/2617).