Datasheet for ABIN6939029

anti-LI Cadherin antibody (AA 242-418)

4 Images

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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:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f)), Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant fragment (around aa 242-418) of human Cadherin 17 protein (CDH17) (exact sequence is proprietary)
Clone:	CDH17-2618
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: MCF-7, HepG2 or HT29 cells. Stomach, Small Intestine, Colon or liver. Known Application: Flow Cytometry (1-2 µg/million cells),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&degC followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

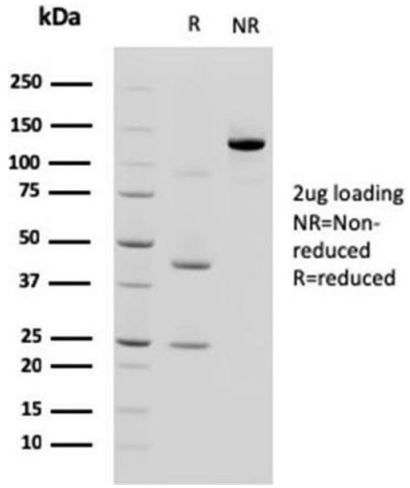
Handling

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

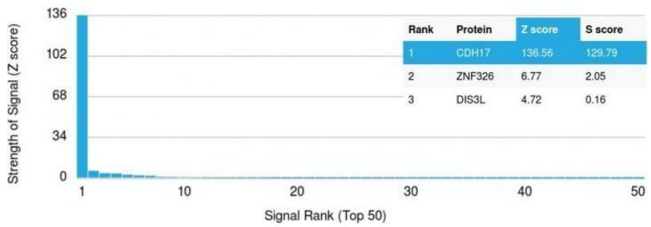
Images



SDS-PAGE

Image 1. SDS-PAGE Analysis

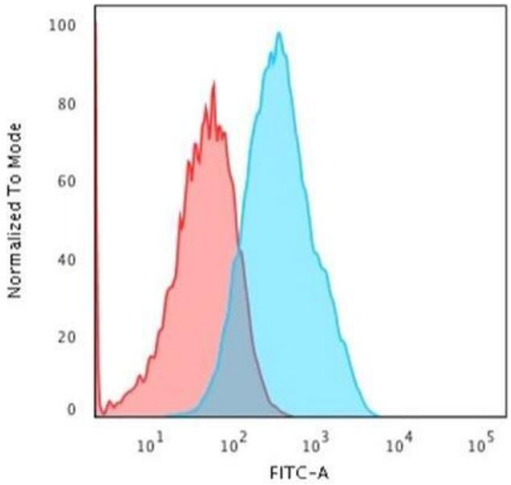
Purified Cadherin 17 / CDH17 Mouse Monoclonal Antibody (CDH17/2618). Confirmation of Purity and Integrity of Antibody



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Cadherin 17 (CDH17) Mouse Monoclonal Antibody (CDH17/2618). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG 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 MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb 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 MAb to protein X is equal to 29.



Flow Cytometry

Image 3. Flow Cytometric Analysis of MCF-7 cells using Cadherin 17 / CDH17 Mouse Monoclonal Antibody (CDH17/2618) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Please check the product details page for more images. Overall 4 images are available for ABIN6939029.