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LI Cadherin/Cadherin-17 Rabbit mAb

Catalog No.: A5286 Recombinant 1 Publications

Basic Information

Observed MW
120 kDa

Calculated MW
92 kDa

Category
Primary antibody

Applications
WB,Auto WB,IF-P,IHC-P,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC1989

Background

This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. The encoded protein is cadherin-like, consisting of an extracellular region, containing 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 results in multiple transcript variants.

Recommended Dilutions

WB	1:3000 - 1:15000
Auto WB	1:100 - 1:500
IF-P	1:100 - 1:1000
IHC-P	1:400 - 1:1600
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1015

Swiss Prot
Q12864

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
HPT1; CDH16; HPT-1; LI Cadherin/Cadherin-17

Contact

400-999-6126

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Product Information

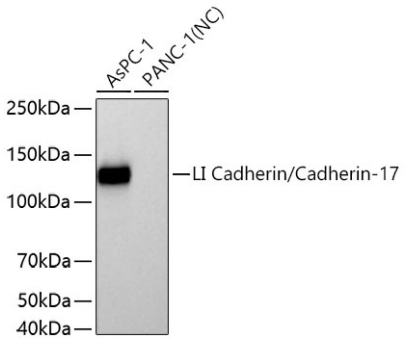
Source
Rabbit

Isotype
IgG

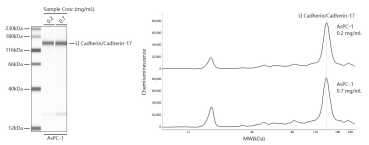
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

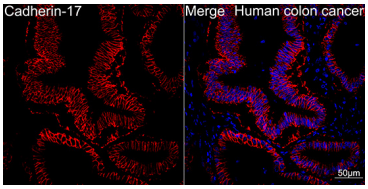
Validation Data



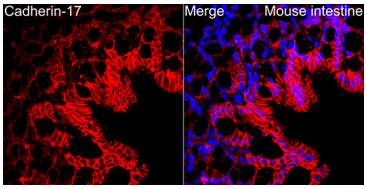
Western blot analysis of various lysates using LI Cadherin/Cadherin-17 Rabbit mAb (A5286) at 1:7000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): PANC-1.
Exposure time: 30 s.



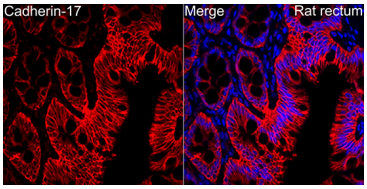
Simple Western™ analysis of lysates from AsPC-1 cells using LI Cadherin/Cadherin-17 Rabbit mAb (A5286) at 1:100 dilution. The virtual lane view (left) shows the target band (as indicated) with samples in concentrations of 0.2 mg/mL and 0.7 mg/mL. The corresponding electropherogram view (right) plots chemiluminescence intensity against molecular weight along the capillary for sample concentrations of 0.2 mg/mL and 0.7 mg/mL. This experiment was performed under reducing conditions on the Jess™ Simple Western instrument from ProteinSimple, a BioTechne brand, using the 12-230 kDa separation module.



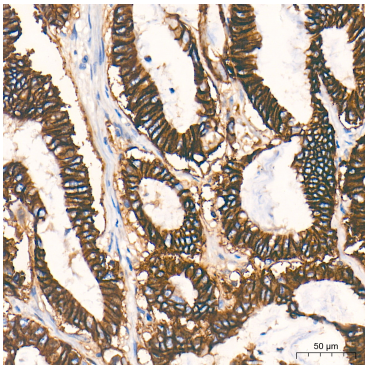
Confocal imaging of Human colon cancer using LI Cadherin/Cadherin-17 Rabbit mAb (A5286,dilution 1:100)(Red). DAPI was used for nuclear staining (blue). Objective: 40x.



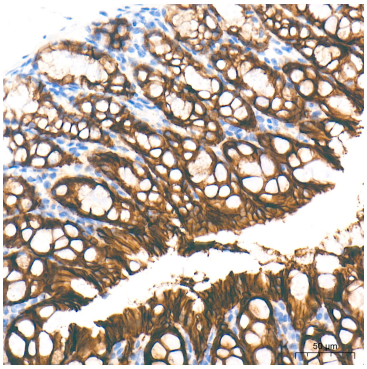
Immunofluorescence analysis of paraffin-embedded mouse Intestine using LI Cadherin/Cadherin-17 Rabbit mAb (A5286) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded rat rectum using LI Cadherin/Cadherin-17 Rabbit mAb (A5286) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

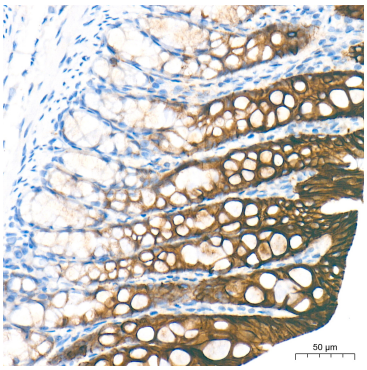


Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using LI Cadherin/Cadherin-17 Rabbit mAb (A5286) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using LI Cadherin/Cadherin-17 Rabbit mAb (A5286) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Rat intestine tissue using LI Cadherin/Cadherin-17 Rabbit mAb (A5286) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.